



(122080439) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 08:04 AM

01.Name:Patti Downing
02.Organization:na
03.Email:pdowning@kc.rr.com
04.Phone:816-456-0449
05.Type:process
06.Briefdesc:Have planes drop TONS of the styrofoam beads that are in bean bags on the slick near the shoreline and use the fishermen with fine nets to scoop them up after they have absorbed the oil, keep doing this to keep the oil off shore until the pipe is capped.
07.Perfcriteria:Use Dawn detergent tons of it to spray and dissolve the oil and will not hurt the environment. Tons of it out of those big airplanes. If close to shore have guys in tons of boats go out and "suds" up the Dawn with their boat propellers.....a great big washing machine action....like it said Dawn is green and will not harm animals or plants!
08.Cost:Cost is cheap with both Ideas !!
09.Throughput:Why don't you guys take dynamite and shove it into the pipe 5000 ft down and blow it so much that it collapses the rest of the pipe and the rock in the ocean floor caves in and stops the direct upward pressure and shuts the whole system down. Go ask some of the professional Miners about ideas. I know they are "above ground" but they may have and out of the box idea on how to BLOW the pipe up and crush it the STOP THE PRESSURE the oil in the hole will go still! God Bless and Good Luck!!!
10.fieldtested:yes
11.Fieldtestingdesc:Above the ground oil wells are blown up to shut them down, in the movies barrels of dynamite are dropped into them to blow them and shut and it works. Check with explosives experts or have our airforce fly over and drop a HUGE BOMB! Ask the military !!
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: cpe-69-76-238-237.kc.res.rr.com (69.76.238.237)
Browser: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10_4_11; en)
AppleWebKit/531.22.7 (KHTML, like Gecko) Version/4.0.5 Safari/531.22.7
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(126154634) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
: Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/07/2010 03:46 PM

01.Name:malcolm drake
02.Organization:retired
03.Email:artpant@yahoo.com
04.Phone:541 4766166
05.Type:process
06.Briefdesc:Just thought of this while listening to a caller on Science Friday, whose ground glass idea was pretty much dismissed, because the glass, after adhering to the oil, would sink; Ira Flato and the other folks there on the radio wished the glass could be made to float.

This, along with my experience with millions of plastic particles on the Oregon Beach last week-apparently breakdown products from the Great Pacific Garbage Dump, gave me this idea:

Take ships/barges to the area where these plastic scraps are unwanted, that is, in the central portion of the North Pacific Gyre (no; it's closer to the plastic containing gyre in the North Atlantic), and collect the huge amounts of plastic scraps.

Next, spread the plastic scraps over the entire area of this oil spill area, or perhaps only on areas of maximum concentration of oil.

Next, collect the oil coated scraps of plastic. Dispose of properly!
Perhaps burn the plastic in thermal electricity generating plants.

Good luck!

07.Perfcriteria:
08.Cost:plastic scraps free; collection costs unknown by me
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Sinkup:
Plastics/Glass
Recv



(132170951) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o t Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
thekogs2

05/13/2010 05:09 PM

Water dispersed

01.Name:James Clynch

02.Organization:

03.Email:clynchjames@yahoo.ie

04.Phone:00353 596482916

05.Type:process

06.Briefdesc:Hello

i have watched the recent disaster unfold in the gulf of mexico and have come up with a possible solution for containment of some of the lighter slicks. By drop dusting the areas of the sea with iron ore and creating a magnetic field, the iron ore that has become attached to the oil will be attracted to other particles and should draw the oil into a more compact area and make it easier to contain using conventional methods.its the same basic principle as magnetic dampers in some cars,it should work.

Regards

James Clynch

07.Perfcriteria:Theory only

08.Cost:

09.Throughput:

10.fieldtested:no

11.Fieldtestingdesc:

button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: 86-46-194-3-dynamic.b-ras1.pgs.portlaoise.eircom.net
(86.46.194.3)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.0; GTB0.0; SLCC1;
.NET CLR 2.0.50727; Media Center PC 5.0; .NET CLR 3.5.30729; .NET CLR
3.0.30618)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(132155543) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
thekogs2

05/13/2010 03:55 PM

*broader
subject*

01.Name:Bradley D Fordyce
02.Organization:individual/inventor
03.Email:4diceinlasvegas@gmail.com
04.Phone:702-497-8304
05.Type:technology, process, system
06.Briefdesc:Low tech, natural collection remedy to spilt oil floating in the Gulf of Mexico. Simply spread vegetated material such as hay, straw, wood chips, tree bark, saw dust, etc. in spill zone. The oil will naturally cling to these natural materials making it much easier to collect and gather from water surface by way of a conveyor belt system onto/into a suitable vessel. Conveyor belt(s) will likely need to be specially constructed for this purpose.
07.Perfcriteria:Collecting, containing and gathering contaminating oil floating in The Gulf using natural material. The material mention will work with great efficiency. The rest of the work.. successfully spreading material and later conveying material with adhering oil into a suitable vessel(s) will depend of the effort and commitment made to this remedy.
08.Cost:Minimal. Material needed could be donated by concerned citizens, entities and companies. Cost would mainly be transporting material to ports close to spill area and the distribution of said material upon the Gulf water spill area surface. Plus the cost of conveying material with adhering (collected) oil aboard a vessel. Special conveyor belt(s) may need to be constructed. The conveyor belts construction should begin IMMEDIATELY!
09.Throughput:Depends of amount of material made available and the effort made to spread this material on the water. The cost of constructing the (large) conveyor belts. Plus the effort to conveyor it up out of the water into a vessel.
10.fieldtested:yes
11.Fieldtestingdesc:This process has been successfully used in smaller scales, for many decades.
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: 209-212-35-148.brainerd.net (209.212.35.148)
Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.0; Trident/4.0; GTB6.4; SLCC1; .NET CLR 2.0.50727; Media Center PC 5.0; .NET CLR 3.5.30729;



(132183018) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
theKogs2

05/13/2010 06:30 PM

01.Name:mary

02.Organization:gleason

03.Email:retiredoil@gmail.com

04.Phone:504-650-1166

05.Type:system

06.Briefdesc:Re-use of absorbent material, placing pads in water by adapting rig/boom huge net systems of experienced shrimp-fisherman to get a Primary system up and running NOW. The fisher's EXPERTISE, in locating oyster beds, breeding grounds, can prioritize where to send each smaller SEARCH AND SAVE mission.

Secondary is a similar barge system, more complex to construct, but absorbing more product per hour.

07.Perfcriteria:Re-use of absorbent material, placing pads in water by adapting rig/boom huge net systems of experienced shrimp-fisherman to get a Primary system up and running NOW. The fisher's EXPERTISE, in locating oyster beds, breeding grounds, can prioritize where to send each smaller SEARCH AND SAVE mission.

Secondary is a similar barge system, more complex to construct, but absorbing more product per hour.

08.Cost:\$50,000.to adapt small craft. Figures on larger barge system not yet completely estimated. This system focuses on vessels being adapted and cost of locating most vulnerable areas first will reduce liability damage which must be calculated in true cost of implementing the Spill Removal and Reclaim System.

09.Throughput:

11.Fieldtestingdesc:

button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: ip70-180-117-167.no.no.cox.net (70.180.117.167)

Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.2.3)

Gecko/20100401 Firefox/3.6.3

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

*Water
Subart*



(132181632) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin
theKogs2

05/13/2010 06:16 PM

01.Name:brandon hillman
02.Organization:esp environmental services
03.Email:brandon hillman
04.Phone:337.278.2288
05.Type:technology, process, system
06.Briefdesc:We have access to offer purchased hard boom and absorbent boom, delivery time could be 2 to 7 days depending on request. Cleanup process we have has been proven around the World using enzymes and fluid filtration equipment. We also have access to an incinerator to burn off approved by EPA any items that are not able to be placed in to a landfill
07.Perfcriteria:These processes have been demonstrated and proven to the EPA, governing agencies and foreign agencies.
08.Cost:Our prices will be very competitive plus knowing we are protecting Our State along with surrounding States we are willing to work with parties to get this done economical plus make money to cover Our out of pocket expense.
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:San Juan Oil Spill soil remediation, the only copmpany that could make this happen. Tucagita Venezuela Oil Spill facility cleanup and surrounding marsh lands. Oleoducto de crudes pesados Andes mountain plant cleanup. San Tome Dried Pit Sidewall test and cleanup.
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: mobilehost1583.internet.mymmode.com (166.204.138.36)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.0; WOW64;

Trident/4.0; GTB6.4; SLCC1; .NET CLR 2.0.50727; InfoPath.2; .NET CLR 3.5.30729; .NET CLR 3.0.30618)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(132153645) Oil Spill Technology Solution

Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
thekogs2

05/13/2010 03:36 PM

01.Name:Prasila Debora Jane Goldstein Rowler aka Ms. Le Conte
02.Organization:Disabled (artist) - dyslexia
03.Email:No computer; use regular mail: 7109 Michael Collins Place Las Vegas,
NV 89145
04.Phone:(702)363-9991
05.Type:technology
06.Briefdesc:Use sodium bicarbonate (baking soda) as a dispersant.
For mini-cap use a one-way pie-shaped flaps on bottom - reinforced aluminum
(open with pressure from oil - when equalized with outside sea pressure, they
close).

Use round or oval shaped heating element on inside or outside - coils shaped -
when heated, oil is less viscous, get more laminar flow and will be more
vertically directed straight. Tether heating coil (two-part epoxy putty).

07.Perfcriteria:Unknown
08.Cost:Unknown
09.Throughput:Unknown
10.fieldtested:no
11.Fieldtestingdesc:Unknown
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: d204-047-054-180.dhcp.epa.gov (204.47.54.180)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; InfoPath.1; .NET
CLR 1.1.4322; .NET CLR 2.0.50727)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

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(129143908) Oil Spill Technology Solution

Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
thekogs2

daemon.rpnc.epa.gov

05/10/2010 02:39 PM

*Water
Sorber*

01.Name:augusto ugolini

02.Organization:

03.Email:

04.Phone:

06.Briefdesc:this is only a suggestion : POLYPROPYLENE NON WOMEN WOULD BE
FLOAT ON THE SEA WATER AND SPREAD IN LARGE BOBBIN ON THE OIL SURFACE COULD
ABSORB IT AND COULD BE SQUEEZE IN CONTINUOUS THROUGH TWO OR MORE ROLLER
SITUATE ON THE BOAT OR BY ASPIRATION AND THEN SPREAD AGAIN ON THE SEA. NON
WOMEN WOULD BE REINFORCED BY A POLYPROPYLENE NET FOR DIMENSION STABILITY AND TO
DRAUGHT RESIST.

IDROCARBON CHEMICAL ATTACK ON POLYPROPYLENE WOULD BE SUFFICIENTLY SLOW TO
PERMIT AN EXTENSION USE.

07.Perfcriteria:

08.Cost:

09.Throughput:

11.Fieldtestingdesc:

button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: host186-250-static.118-81-b.business.telecomitalia.it
(81.118.250.186)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET CLR 1.1.4322;
.NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt



(131114013) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
t Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin
thekogs2

05/12/2010 11:40 AM

*Water
Sorbent
Containment*

01.Name:Alessandro
02.Organization:Cariani
03.Email:a.cariani@modutech.eu
04.Phone:
05.Type:technology
06.Briefdesc:Concrete chambers to be fullfilled with Poliethilene foam to be pumped inside - Needed approximate dimension of spill (area of spilling and approximate delta pressure of spilling.
07.Perfcriteria:In case of pollutant in Bari (I) pollutant has been completely stopped.
08.Cost:to be evaluated - depending on requested parameters.
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:Test has been made on a pollutant tube in fron of Bari port - Deep approx 180 meters.
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: ip211-157.adsl.clicktel.it (212.45.157.211)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.1; WOW64;

Trident/4.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLR

3.0.30729; Media Center PC 6.0; HPDTEF; OfficeLiveConnector.1.4;

OfficeLivePatch.1.3)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(131121447) Oil Spill Technology Solution

Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
theKogs2

idaemon.rtpnc.epa.gov

05/12/2010 12:14 PM

Water
sorbent

01.Name:Gary R. Gresch
02.Organization:none
03.Email:gonfishn@scacable.com
04.Phone:7153253465
05.Type:process
06.Briefdesc:polyisocyanurate or urethane can be used in a dust form or a small ground up particle form, will suck up oil or other petroleum based products. I think this product is made by Owens-Corning or Dow Chemical. It's been 15 years since I've worked with this product, but I know it is still on the market in the form of an insulation. Some companies even spray it on walls between the wall studs.
Dow Styrofoam or expanded bead board products will dissolve upon contact with petroleum based products. Urethane does not dissolve when in contact with petroleum based products.
07.Perfcriteria:If a fork lift leaked oil on the warehouse floor or blew a hydraulic line, I would take a shovel of urethane dust, spread it on the spill, and the dust would suck up the oil. I'd sweep it away, and there would be no spot on the floor. During maintenance on the saw I used to cut the material with, many parts needed oil and grease, if it dripped on the floor, I did the same thing.
08.Cost:Have no idea.
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:Don't know if this will be of any help, but anything is worth a try.
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: dslpool-net208-2.wctc.net (216.105.208.2)
Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; Trident/4.0; GTB6.4; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; msn OptimizedIE8;ENUS)
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(130194117) Oil Spill Technology Solution

Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
thekogs2

05/11/2010 07:41 PM

Lead Sorbent

01.Name:Lewis Strickland
02.Organization:Pactec Inc
03.Email:lewisstrickland@pactecinc.com
04.Phone:+639175117173
05.Type:technology, process
06.Briefdesc:Line the shorelines with absorbent materials/fabrics such as non woven polyester or polypropylene. oil can be extracted from oil soaked fabrics and the fabrics can be recycled.
07.Perfcriteria:
08.Cost:are you kidding? who knows :)
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: (210.14.37.66)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0;

IEEMB3; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729;

InfoPath.2; IEEMB3)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt



(130232202) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
theKogs2

05/11/2010 11:22 PM

*Water
soaked*

01.Name:Mireya
02.Organization:Inventor
03.Email:mireya.az@gmail.com
04.Phone:516-658-3004
05.Type:system
06.Briefdesc:massive natural sponges soaked in a light clay substance and
combined with bacteria to absorb and clean the oil, while producing methane
gas in the process.
07.Perfcriteria:
08.Cost:
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: pool-96-232-98-238.nycmny.fios.verizon.net (96.232.98.238)

Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.2.3)

Gecko/20100401 Firefox/3.6.3

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt



(123012734) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison

05/04/2010 01:27 AM

Hair ✓
Sorbent

01.Name:Praveen
02.Organization:
03.Email:praveenshan@hotmail.com
04.Phone:
05.Type:process
06.Briefdesc:Hair stuffed in nylon bags (pantyhose) absorbs oil.Create
nationwide initiative- ' eg- Hair to Save the Gulf!'campaign .Get
hairdressers/saloons/barbers /etc to collect hair clippings and drop off at
designated pick up areas.Possible economic spillover=increased haircuts ,oil
can be extracted from hair stuffed nylon bags n put back on the market,clean
hair stuffed nylons bags can be reused in the event of another disaster.
07.Perfcriteria:performance of hair stuffed nylon bags, is contingent upon
size of bags and strategic placement (to prevent oil from reaching shore)
08.Cost:n/a
09.Throughput:n/a
10.fieldtested:yes
11.Fieldtestingdesc:Alas
button:Send

Generic

Sorbents

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terms.

overnment
al
-- use

This information is for tracking purposes only.
Submitting script: /cgi-bin/mail.cgi
Submitting host: 210.183.48.60.brk02-home.tm.net.my (60.48.183.210)
Browser: Mozilla/5.0 (Windows; U; Windows NT 6.0; en-US) AppleWebKit/532.5
(KHTML, like Gecko) Chrome/4.1.249.1064 Safari/532.5
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(126171318) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/07/2010 05:13 PM

Hay sorbent

01.Name:jim wolfe
02.Organization:
03.Email:jim.d.wolfe@dep.state.fl.us
04.Phone:850 877-9662
06.Briefdesc:surface oil collection - send barges out with hay bales (a very cheap material) and then use a hay spreader like the ones the highway contractor uses to spread hay to newly graded road shoulders over the oil. oil collects on the hay and then you use the old type of mullet nets that work on the water surface to corral the material and pull it to another barge that has a hydraulic arm assembly to pick up trash. pull hay material to the barge and it can be picked up and loaded into another barge to then be hauled to a on shore site to be burned. using a number of barge units you can work your way through the contaminated area.
07.Perfcriteria:
08.Cost:
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: cache-dtc-ad14.proxy.aol.com (205.188.116.208)

Browser: Mozilla/4.0 (compatible; MSIE 6.0; AOL 9.0; Windows NT 5.1)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt



(129104233) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
the kogs2

05/10/2010 10:44 AM

Land
sorber it
boom

01.Name:Greg Weiler
02.Organization:USEPA Pesticides Section Region 6
03.Email:weiler.gregory@epa.gov
04.Phone:214-665-7564
05.Type:system
06.Briefdesc:Use hay bales to absorb the oil coming ashore, and help support american farmers in the process.
07.Perfcriteria:bales of hay will absorb the oil, and you could burn the oil and bail of hay together or dispose of properly
08.Cost:unknown, but cheaper than some methods, bails of hay are not expensive
....
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:see various internet videos on u-tube....
button:Send

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Submitting host: d204-046-107-150.dhcp.epa.gov (204.46.107.150)
Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; GTB0.0; .NET CLR 1.1.4322; InfoPath.1; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; OfficeLiveConnector.1.3; OfficeLivePatch.0.0; msn OptimizedIE8;ENUS)
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt

Talc Sorbent
may sink

From Paul
(add to stack from "political leadership")



Re: Fw: Idea to Clean up Oil Spill - From the Di
Natural Resources Environmental Services
Paul Anastas to: Minerva Rojo

History: This message has been replied to.

This came
from Anastas.

FYI - I've spoken with the commissioner. All set
-----Minerva Rojo/R6/USEPA/US wrote: -----

To: Paul Anastas/DC/USEPA/US@EPA
From: Minerva Rojo/R6/USEPA/US
Date: 05/07/2010 10:01AM
Subject: Re: Fw: Idea to Clean up Oil Spill - From the Director of Iowa
Environmental Services

I will be happy to contact him to acknowledge we have received his
similar, if not the same, idea via our website. Also, "sorbents" fall on
Product Schedule so we're working with Leigh de Haven and Nick
process, per their request. MR.

Minerva Rojo
Acting Senior Environmental Technology Officer
Office of the Science Advisor
U.S. Environmental Protection Agency
1300 Pennsylvania Ave., NW (8105R)
Washington, DC 20460

phone: (202) 564-7356
fax: (202) 564-2070
e-mail: rojo.minerva@epa.gov

Paul Anastas---05/07/2010 08:38:31 AM---Please include this in the etc deliberations ----- Original
Message -----

From: Paul Anastas/DC/USEPA/US

To: "Minerva Rojo" <Rojo.Minerva@epamail.epa.gov>

Date: 05/07/2010 08:38 AM

Subject Fw: Idea to Clean up Oil Spill - From the Director of Iowa Department of Natural Resources Environmental
: Services

Please include this in the etc deliberations
Sarah Pallone

----- Original Message -----

From: Sarah Pallone
Sent: 05/07/2010 08:23 AM EDT
To: Paul Anastas
Subject: Fw: Idea to Clean up Oil Spill - From the Director of Iowa

Department of Natural Resources Environmental Services

This is the request that I just mentioned. I would greatly appreciate it if someone could get back to him today. Thanks.

Anthony Raia

----- Original Message -----

From: Anthony Raia

Sent: 05/06/2010 05:42 PM EDT

To: Sarah Pallone

Subject: Re: Idea to Clean up Oil Spill - From the Director of Iowa
Department of Natural Resources Environmental Services

I'm not sure anybody around here will be responding. Most everybody around here really believes in working "within the system" ...which in this case means going through the ORD technology submittal link/process. IA DNR has done that, but with no response after a few days.

It makes sense to me to mostly work "within the system," but if IA DNR doesn't get a response by early next week, I suggest we consider raising this through some other channel.

I'm no technology guru, but if nobody appropriate has already carefully considered this idea in dealing with this situation, my hunch says they should.

I'll let you know if I hear more.

Thanks.

Anthony Raia

U.S. Environmental Protection Agency

Office of the Administrator, Intergovernmental Relations (OCIR)

phone 202-566-2758

fax 202-501-1544

Sarah Pallone---05/06/2010 04:29:52 PM---Thanks Tony. Please let me know who will be responding to this inquiry. Sarah Hospodor-Pallone De

From: Sarah Pallone/DC/USEPA/US

To: Anthony Raia/DC/USEPA/US@EPA

Date: 05/06/2010 04:29 PM

Subject Re: Idea to Clean up Oil Spill - From the Director of Iowa Department of Natural Resources Environmental
: Services

Thanks Tony. Please let me know who will be responding to this inquiry.

Sarah Hospodor-Pallone

Deputy Associate Administrator

for Intergovernmental Relations

Office of the Administrator

202-564-7178

pallone.sarah@epa.gov

Anthony Raia---05/06/2010 04:16:11 PM---Tito, How do we ensure this idea gets heightened/immediate attention? Iowa submitted this idea thro

From: Anthony Raia/DC/USEPA/US

To: Gilberto Irizarry/DC/USEPA/US@EPA

Cc: Sarah Pallone/DC/USEPA/US@EPA

Date: 05/06/2010 04:16 PM

Subject: Idea to Clean up Oil Spill - From the Director of Iowa Department of Natural Resources Environmental Services

Tito,

How do we ensure this idea gets heightened/immediate attention? Iowa submitted this idea through the ORD Web sight link but they have not received any response, and they are concerned that there are too many bad ideas cluttering out valuable/useful ideas in that system (among other concerns).

I know there must be hundreds of ideas coming in, but we really need to raise this idea.

Thank you.

Tony R.

Anthony Raia
U.S. Environmental Protection Agency
Office of the Administrator, Intergovernmental Relations (OCIR)
phone 202-566-2758
fax 202-501-1544

From: Gieselman, Wayne [DNR] [<mailto:Wayne.Gieselman@dnr.iowa.gov>]

Sent: Thursday, May 06, 2010 9:58 AM

To: Brown, Steve

Cc: Hanson.Andrew@epamail.epa.gov; Woodland, John [DNR]; Campbell, Doug [DNR]; Fitzsimmons, Catharine [DNR]

Subject: RE: ECOS to Serve as Point of Contact for Oil Spill Response

Steve,

I received a suggestion from one of our DNR employees regarding the oil spill in the Gulf. John is an environmental specialist in our air quality bureau who has a degree in chemistry and experience as a fire investigator working with flame retardants. He has made attempts to contact various entities involved in the effort that is taking place in the Gulf. I have included his e-mail address and telephone number in the event that anyone at EOC or EPA want to contact him about his suggestions. Here is the e-mail that he furnished to me:

"I am attempting to contact some people that may have influence in the control of the clean-up of the oil spill in the Gulf of Mexico. I am a chemist that is currently working for the Iowa Department of Natural Recourses. I have years of study and have conducted many

experiments in hydrophobic attraction and oliophilic absorption of petroleum from water. I believe that I have a simple, environmentally safe and reasonably inexpensive method of absorbing the crude oil that will soon reach land along the Gulf Coast. This method presents a far lower hazard as compared to using dispersants. The percent of oil collected would be much higher than any method currently being used.

The only absorbent substance available in the quantity that might be required is hydrous magesium silicate, also known as talc. My rough calculations indicate as much as 1000 tons of oil absorbent may be needed per day to minimize the damage caused by this oil spill.

? *Talc will float on water, absorb the oil, and agglomerate (clump together). Under the best conditions, the use of talc could prevent oil contamination. Under worse-case conditions, talc would minimize the damage caused by the oil. The agglomerated material could be easily collected. Where an oil sheen is present and currently difficult to collect, talc could be applied to the water surface and the wind could be used to push the talc into the sheen and absorb the oil.*

Near the coastline, the talc could be applied to the spill by people in boats using leaf blowers. The talc could be poured from bags into buckets (5 to 35 gallon) and then suctioned out of the buckets and blown onto the oil with leaf blowers. I understand that this method sound simplistic, but it would be effective on a small scale.

The other method, which is for larger scale oil spills, is by using aircraft to apply the talc in the same way that flame retardant is applied to forest fires.

Talc is mined in the United States and is available from numerous sources (I have attached a talc directory). Collectively, the amount of talc needed could possibly be obtained. Any of these companies could direct you to a talc, which has the best hydrophobic and oliophilic characteristics for this specific application."

John Woodland
Environmental Specialist
Iowa DNR
Air Quality Bureau
7900 Hickman Road, Suite 1
Windsor Heights, IA 50324
(515) 242-5160
john.woodland@dnr.iowa.gov

Thanks for having ECOS serve as the Point of Contact. I'm not sure I'd know where to go with this suggestion if we weren't providing this service.

Wayne Gieselman
Division Administrator
515-281-5817



(128230745) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
theKogs2

05/09/2010 11:07 PM

*Water/Land
Subject*

01.Name:Gordon Wayne Watts
02.Organization:The Register
03.Email:gww1210@aol.com
04.Phone:863-688-9880
05.Type:technology
06.Briefdesc:One sheriff's dept has had success with using hay to 'mop up' the oil.
07.Perfcriteria:See the vid below for the performance.
08.Cost:See the video for the performance.
09.Throughput:Amount of throughput, output relative to input? Apparently almost 100% of the used hay is collected.
10.fieldtested:yes
11.Fieldtestingdesc:See my press release which cites its sources. For Immediate Release - A solution to the Gulf of Mexico oil spill has been found, and The Register's legislative arm has contacted the federal senators and representative overseeing this subject matter.

Direct links to news coverage of this solution:

www.YouTube.com/watch?v=9rC1t326Dws (The Register's YouTube news page)
www.GordonWayneWatts.com / www.GordonWatts.com (Front page news coverage)
www.fox10tv.com/dpp/news/gulf_oil_spill/walton-county-readies-beaches-for-oil (Fox 10's coverage)
Related link: www.wimp.com/solutionoil

The Register is hoping, by virtue of this news release, to bring attention to solutions the work --and to get the Feds on board --to help address this environmental disaster. Other front page news coverage of this and related issues is on site at The Register's website listed above.

Gordon Wayne Watts, editor-in-chief, The Register
button:Send

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Submitting host: pool-71-100-187-208.tampfl.dsl-w.verizon.net (71.100.187.208)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET

CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt



(126160229) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin

05/07/2010 04:02 PM

01.Name:Andrew John Heath
02.Organization:American Solar Hydrogen, Inc.
03.Email:clearpollutionsolution@gmail.com
04.Phone:3863169246
05.Type:technology, process, system
06.Briefdesc:Air drop human hair clippings from barbers/hair dressers & feathers from poultry farmers & fur from slaughter houses across nation over oil spill area to soak up oil.

Oil has an affinity for hair, feathers and fur. The spill from Deepwater Horizon is very thin (on the micro-level), over a extremely large area. Hair, feathers and fur soaked in oil is easily skimmed or pumped into ships.

Super tankers, ships or barges can either recover oil from hair, feathers and fur with a surfactant OR put Oil/Hair, Feather, Fur/Ocean mixture into a plasma gasifier. The Hydrogen/Carbon Monoxide by-product of plasma gasification can be cleanly burned or captured for fuel.
07.Perfcriteria:Cargo Airplanes with ability to deliver and drop hair, feathers and fur over oil spill.

Super tankers, ships and barges to recover oil soaked hair, feathers and fur. Netting and Pumps.

Plasma Gasifier(s), solid oxide fuel cells to provide electricity to gasifier, hydrogen separation equipment, compressors, hydrogen storage, and/or Brown's gas (H₂/CO) burners.

08.Cost:If you have to ask you cannot afford it.
09.Throughput:Air drop human hair clippings from barbers/hair dressers & feathers from poultry farmers & fur from slaughter houses across nation over oil spill area to soak up oil.

Oil has an affinity for hair, feathers and fur. The spill from Deepwater Horizon is very thin (on the micro-level), over a extremely large area. Hair, feathers and fur soaked in oil is easily skimmed or pumped into ships.

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10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Srbent Shaw



(126155741) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/07/2010 03:57 PM

01.Name:Cynthia Coggin
02.Organization:The Organic Planet Educational Project
03.Email:cindycoggin@hotmail.com
04.Phone:904-662-0948
05.Type:process
06.Briefdesc:Cleanup - prevention for oil to get to the beach
07.Perfcriteria:Straw. Straw is hollow and it absorbs. Line the beaches with
bales of straw (preferably Barley Straw) a few feet from the beach and the
oil will hit the bales first and be absorbed there before it gets to the sand.
Use rebar to place the bales. Rotate them out as they absorb the oil and
become saturated.
08.Cost:Cheap!
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:Straw is used to suck up oil when working on our tractors.
Simple.
button:Send

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Submitting host: c-71-203-180-90.hsd1.fl.comcast.net (71.203.180.90)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET CLR 1.1.4322; .NET CLR 2.0.50727; InfoPath.2; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

Referred: <http://epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(126155452) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
: Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/07/2010 03:54 PM

01.Name:Bradley Evans
02.Organization:
03.Email:16.evansb7@sbcglobal.net
04.Phone:2165299428
05.Type:process
06.Briefdesc:Use human and animal hair to absorb the oil and then collect the hair/oil mixture. I read about using hair somewhere on the net. Hair could be collected from barbers, salons and groomers.

07.Perfcriteria:
08.Cost:
09.Throughput:
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: adsl-76-241-137-73.dsl.bcvloh.sbcglobal.net (76.241.137.73)
Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.1; WOW64; Trident/4.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLR 3.0.30729; Media Center PC 6.0)
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(126154145) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/07/2010 03:41 PM

*Sent: sawdust
paper
pics*

01.Name:David Dran
02.Organization:self
03.Email:David_dran@yahoo.com
04.Phone:720-840-6611
05.Type:process, system
06.Briefdesc:use sawdust, clothes, shipping popcorn etc to spread over the
slick. use fishing ships with drag nets to collect material
07.Perfcriteria:
08.Cost:
09.Throughput:
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: wsuser197.user.cigna.com (208.242.14.197)

Browser: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 2.0.50727; .NET CLR 1.1.4322; .NET CLR 3.0.04506.648; .NET CLR 3.5.21022; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(126212104) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/07/2010 09:21 PM

*Surface water
Soil bank*

01.Name:Belinda Sanchez
02.Organization:none
03.Email:gmsanchez@cox.net
04.Phone:225-752-8355
05.Type:technology, process, system
06.Briefdesc:Booms made from discarded animal and human hair (available from pet groomers and hair salons).
07.Perfcriteria:The hair booms absorb virtually all oil.
08.Cost:minimal cost to produce booms with donated hair/fur.
09.Throughput:Public donation of discarded hair/fur. Volunteers to make booms....or government subsidized organizations to make booms.
10.fieldtested:yes
11.Fieldtestingdesc:see <http://www.matteroftrust.com> (non-profit organization in California) for facts and videos.
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: ip68-225-104-160.br.br.cox.net (68.225.104.160)
Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; Trident/4.0; msn OptimizedIE8;ENUS)
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt



(128224332) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
t Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin
thekogs2

05/09/2010 10:43 PM

Talc
Sinkers
just
suggested

Surface water
subject

01.Name:Grant Lacroix
02.Organization:none
03.Email:grantlacroix@gmail.com
04.Phone:3184473754
05.Type:technology
06.Briefdesc:Use Talcum powder, it absorbs oil and will harder in water making
cleanup easier
07.Perfcriteria:talcum powder
08.Cost:extremely inexpensive
09.Throughput:I dont know
10.fieldtested:yes
11.Fieldtestingdesc:Yes people put talcum powder to degrease their hair all
the time, and ive mixed water and talc to make concrete before, just add a
little alcohol to help with the hardening
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: ip72-207-247-208.br.br.cox.net (72.207.247.208)

Browser: Mozilla/5.0 (Windows; U; Windows NT 6.0; en-US) AppleWebKit/532.5
(KHTML, like Gecko) Chrome/4.1.249.1064 Safari/532.5

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt



(132223653) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o t Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
theKogs2

05/13/2010 10:36 PM

*Water
Solved*

01.Name:Andrea Victorio
02.Organization:N/A
03.Email:Andreav7167@aol.com
04.Phone:347 596 6834
05.Type:process
06.Briefdesc:I'm not a scientist or an engineer so my idea is just a theory.
Why can't you throw saw dust into the ocean to absorb the oil . The oil
becomes a solid matter and therefore you can scoop it out of the ocean and put
it on barges and remove it from the water. Just an idea, I tried it at home
with water and corn oil and the saw dust soaked up the oil immediately. I
don't know of any other ramifications this may cause, but it can't be worse
than what is already happening. Andrea
07.Perfcriteria:
08.Cost:
09.Throughput:
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: cpe-24-193-219-68.si.res.rr.com (24.193.219.68)
Browser: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10_5_6; en-us)
AppleWebKit/525.27.1 (KHTML, like Gecko) Version/3.2.1 Safari/525.27.1
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(132153837) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o t Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin
thekogs2

05/13/2010 03:38 PM

*Water
Sample*

01.Name:vivian thompson
02.Organization:
03.Email:vivian1525@gmail.com
04.Phone:504/339-0250
05.Type:process
06.Briefdesc:Cheesecloth is porous allowing water to flow through but will catch the oil. It can be obtained in large bolts and used to skin the oil from the water. It is non-toxic and safe for all involved.
07.Perforiteria:
08.Cost:
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:sampled in a small environment - the product worked beautifully.
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: ip68-11-77-98.no.no.cox.net (68.11.77.98)
Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.0; WOW64; Trident/4.0; FunWebProducts; GTB6.4; SLCC1; .NET CLR 2.0.50727; Media Center PC 5.0; .NET CLR 3.5.21022; .NET CLR 3.5.30729; .NET CLR 3.0.30618)
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(130122348) Oil Spill Technology Solution

ldaemon.rpnc.epa.gov
Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin
thekogs2

05/11/2010 12:28 PM

Water Sorbent

01.Name:Lisa Reese
02.Organization:
03.Email:lisareese@hotmail.com
04.Phone:7813227954
05.Type:process
06.Briefdesc:use of hay to collect spilled oil
Really, this is so simple it seems almost stupid. But *please* consider it.
It is cheap, simple, reasonably effective and definitely SAFE (unlike
dispersants). Deployment of hay can be performed by local fishermen,
collection could be performed by low skilled workers with proper training and
protective gear.
See process description here: <http://www.youtube.com/watch?v=k5Sxx2EntEo>
07.Perfcriteria:
08.Cost:
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: pool-151-199-53-16.bos.east.verizon.net (151.199.53.16)
Browser: Mozilla/5.0 (Windows; U; Windows NT 6.0; en-US; rv:1.9.2.3)
Gecko/20100401 Firefox/3.6.3
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt



(130100203) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
thekogs2

05/11/2010 10:02 AM

*land
Sarber*

01.Name:Karen Kieffer
02.Organization:Philen Construction -Erosion Control
03.Email:kakakieffer@juno.com
04.Phone:7046221233
05.Type:system
06.Briefdesc:we are an environmental erosion control company in the south east region. We have access to large quantities of straw to absorb the oil around beaches, marshes, etc....please feel free to contact me for delivery and install details. We are here to help.
07.Perfcriteria:
08.Cost:shipping and handle will depend on destination from the carolinas.
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:a few times, it is primitive yes, but effective, the article I read back in the 70's also stated that the oil can be squeezed from the straw and recycled. WIN WIN
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: h133.242.140.67.dynamic.ip.windstream.net (67.140.242.133)
Browser: Mozilla/5.0 (Windows; U; Windows NT 6.1; en-US; rv:1.9.2.3)
Gecko/20100401 Firefox/3.6.3
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(129190636) Oil Spill Technology Solution

idasmom.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
thekogs2

05/10/2010 07:06 PM

water
sorbent

01.Name:Kristin Schoorl
02.Organization:J/S Quarter Horses
03.Email:jks@earthlink.net
04.Phone:541-372-3675
05.Type:technology, process
06.Briefdesc:Has hemp been considered as an oil-absorbing fiber? We farm and are looking at purchasing erosion-control blankets from <http://www.erosioncontrolblanket.com>. I have no connection to the company, but found this type of concept compelling if hemp can absorb oil.
07.Perfcriteria:Quote: 'Hemp has the ability to decontaminate soil by absorbing and/or trapping pollutants ranging from radiation and pesticides to solvents and toxins leaching from landfills.'

08.Cost:
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: 67.42.191.101.bois.qwest.net (67.42.191.101)
Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; GTB5; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt



(131064448) Oil Spill Technology Solution

Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
idaemon.rtpnc.epa.gov to: Morrison, Lara Autry, Eric Koglin,
thekogs2

05/12/2010 06:44 AM

*water
dispersant*

01.Name:Ana M Rule
02.Organization:Johns Hopkins University
03.Email:arule@jhsphe.edu
04.Phone:410-502-5952
05.Type:process
06.Briefdesc:cleanup and natural dispersant. This is not my technology but I
wounder if you've tried fungi and mushrooms. Check: <http://www.fungi.com/>
07.Perfcriteria:quantifyable reduction in contaminant concentration
08.Cost:very low. check the video and <http://www.fungi.com/>
09.Throughput:<http://www.youtube.com/watch?v=BelfLIJErek>
10.fieldtested:yes
11.Fieldtestingdesc:<http://www.youtube.com/watch?v=BelfLIJErek>
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: c-98-233-41-16.hsd1.md.comcast.net (98.233.41.16)
Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US) AppleWebKit/532.5
(KHTML, like Gecko) Chrome/4.1.249.1064 Safari/532.5
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt



(130155619) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
t Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
theKogs2

05/11/2010 03:56 PM

*water
sorbent*

01.Name:Kim
02.Organization:
03.Email:kbrown@visuallink.com
04.Phone:540-877-3062
05.Type:technology
06.Briefdesc:Hay to clean up oil spill, best idea I've heard yet. Watch the
video at
<http://www.mnn.com/earth-matters/energy/blogs/can-we-use-hay-to-clean-up-the-oil-spilled>
07.Perfcriteria:Please look into this idea.
08.Cost:??
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:
<http://www.mnn.com/earth-matters/energy/blogs/can-we-use-hay-to-clean-up-the-oil-spilled>
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: 66-84-94-210.h.w.visuallink.com (66.84.94.210)

Browser: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt

Sorbent-~~Real~~
Genuu



(121190058) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl
:

05/02/2010 07:01 PM

Sorbent

01.Name:Kathryn Gonzales
02.Organization:
03.Email:ebcbusiness@aol.com
04.Phone:850 837 7598
05.Type:technology
06.Briefdesc:a product that absorbs the oil
07.Perfcriteria:sending a link to explain
<http://www.mileanhour.com/post/And-were-not-using-this-in-the-gulf-right-now-w>
hy.aspx
08.Cost:
09.Throughput:
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: ip68-111-126-100.pn.at.cox.net (68.111.126.100)
Browser: Mozilla/5.0 (Windows; U; Windows NT 6.1; en-US) AppleWebKit/532.5 (KHTML, like Gecko) Chrome/4.1.249.1064 Safari/532.5
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt



(133035825) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
theKogs2

05/14/2010 03:58 AM

*Water
Sheet*

01.Name:
02.Organization:
03.Email:
04.Phone:
06.Briefdesc:We have a material which Oil of the water distinguishes. Under
www.oil-ex.de you have to read the possibility this into English after. At
the possession we can put immediately 120 trucks. The contents absorb 9
million litres Oil. Our material is 100% of natural fibre and diminishable.
07.Perfcriteria:
08.Cost:A bag of oil binding agents OilEx weighs 7 kg and has a volume of 50
litres. Absorbs 45 litres of oil. We have to stand 120 LKWs. The whole price
amounts to 2,592,000 millions ¢,-
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: p5dc3a213.dip.t-dialin.net (93.195.162.19)
Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(122103917) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 10:39 AM

*Generic: Peat Moss
Plan for outside
Contractor*

Sorbent

01.Name:Ken Davis
02.Organization:Pensacola Environmental Services
03.Email:davis-pes@cox.net
04.Phone:850-380-2131
05.Type:process
06.Briefdesc:Utilize a USDA preferred sorbent (peat moss) as a second line of defense near the shores to protect aquatic areas. Booms will not stop or capture all of the oil entering the estuaries. This tool has been utilized on past oil spills with great success. It absorbs the oil and "locks it in", reduces leaching at provides for easier cleanup of the shorelines and marsh areas. I presently have a plan that could be implemented within 24 hours which would put watercraft dispensing the sorbent on oil both offshore and within the estuaries. This plan provides personnel (mostly local fisherman with OSHA training), vessels, dispensing equipment, and sorbent product.
07.Perfcriteria:1 pound of processed peat moss will absorb 1 gallon of oil. Cost for process peat moss is \$.50 per pound. This product has been utilized in the past on surface water oil spills with great success.
08.Cost:\$0.50 per gallon of oil for absorbent product does not include personnel management and equipment costs.
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:USDA Preferred Sorbent List, Registered in the Federal Supply List, Widely used by oil spill cleanup contractors.
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: ip68-228-25-45.pn.at.cox.net (68.228.25.45)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(129225717) Oil Spill Technology Solution

Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
thekogs2

daemon.rtpnc.epa.gov

05/10/2010 10:57 PM

*Water
Solvent*

01.Name:robert bedow
02.Organization:lockheed martin
03.Email:zzprop@yahoo.com
04.Phone:727648-0802
05.Type:technology
06.Briefdesc:vermiculite was used in Normandy to clean up a spill in 2 weeks.it could be dropped from c-130's or added to the booms but it absorbs and still floats,it's natural mineral 100 % fire proof,i tried a little experiment with oil /water ,it works real good and soaked all the oil and still floats/easier to contain and maybe /skim and pump or re-use somehow!
07.Perfcriteria:
08.Cost:
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:i did a little research and understand they used it to clean up a spill in the 40's but we use it at lockheed martin,it comes from mines out west,but it's light buyant and i think it just may help!
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: pool-173-65-179-18.tampfl.fios.verizon.net (173.65.179.18)

Browser: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; GTB6.4; .NET CLR 1.1.4322)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt

Sn Sent: Cal



(126161310) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/07/2010 04:13 PM

01.Name:Lisa Craig Gautier
02.Organization:Matter of Trust, Inc.
03.Email:team@matteroftrust.org
04.Phone:415 242-6041
05.Type:technology, process, system
06.Briefdesc:human and animal hair used for oil spill collection mats and
booms.
07.Perfcriteria:Matter of Trust is the fiscal sponsor for Thomas Azwell & Ryan
Carney's treatability study of hazardous waste oil collected by mats made from
human hair clippings then detoxified by thermophilic compost of greenwaste.
Finally, the mass is reduced by worms. After a few months the end result is a
rich worm castings fertilizer. This project is a practical, hands on study to
further the cause of efficient closed loop systems for oil spill clean up.
Conventionally oil spill waste is incinerated. This vermiculture method took 2
years outdoors at the Presidio, and there was a control study done at Norman
Terry's Lab at UC Berkeley.
08.Cost:
09.Throughput:<http://matteroftrust.org/>
10.fieldtested:yes
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: 99-49-221-233.lightspeed.plcsfl.sbcglobal.net (99.49.221.233)

Browser: Mozilla/5.0 (Windows; U; Windows NT 6.0; en-US; rv:1.9.1.9)

Gecko/20100315 Firefox/3.5.9

Referred: <http://epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(129193637) Oil Spill Technology Solution

idaemon.rpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin
thekogs2

05/10/2010 07:36 PM

Water
Sorber

01.Name:Sally Edwards
02.Organization:
03.Email:sawedwards@bellsouth.net
04.Phone:601 799 2163
05.Type:process
06.Briefdesc:Use of rice hulls to absorb the oil. No contaminants needed.
These should be plentiful in Louisiana as rice is a major crop.
07.Perfcriteria:The collected oil absorbed rice hulls that are collected can
be burned as fuel. A friend who is a German scientist in Karlsruhe, Germany
mentioned this to us while he was staying here, I did a search on the
internet and found this website <http://www.freepatentsonline.com/3902998.html>
with the following information:
Application Number:
05/170330
Publication Date:
09/02/1975
Filing Date:
08/09/1971
Export Citation:
Click for automatic bibliography generation
Assignee:
The Standard Oil Company (Cleveland, OH)
Primary Class:
210/691
International Classes:
B01D17/02; C02F1/68; B01D15/00
Field of Search:
210/23,39,40,502,DIG.21
View Patent Images:
Download PDF 3902998 pdf PDF help
Oil Spill Recovery Help
Hire our staff to help your recovery efforts. 800-554-2077
ablehq.com/
Crude Oil Futures Trading
Superior options trading technology from industry leading optionsXpress
optionsXpress.com
Turbidity Curtain
A National Supplier of Floating Turbidity Curtains & Baffle Systems
www.northwestlinings.com
Ads by Google
Other References:

Arthur D. Little, Inc., "Combating Pollution Created by Oil Spills," Vol. 1,
June 1969, p. 61..
Primary Examiner:
Hart, Charles N.
Attorney, Agent or Firm:
Jones, John Kemmer Sherman F. J.
Claims:
I claim

1. A method for removing oil or oily substances contaminating water which comprises contacting said water with rice hulls derived from rice processing without any further treatment such as chemical coating on the surface thereof and then separating the rice hulls containing said oil or oily substances from said water to recover water substantially free from said oil or oily substances.
2. The method according to claim 1 in which the rice hulls containing said oil or oily substances are removed by skimming from said water.
3. A method according to claim 1 which comprises removing the water from below a layer of said rice hulls containing said oil or oily substances.
4. A method according to claim 1 wherein the water and oil or oily substances contaminating same are passed through a bed of rice hulls.

Description:

This invention relates to the removal of oil from water and more particularly pertains to the removal of oil or oily materials from oil-contaminated water by means of rice hulls, an inexpensive and readily available material.

It is well known that both fresh water and sea water sources become contaminated or polluted with oil because of accidental oil spills which may be caused by many factors such as tanker mishaps, pipeline breaks, and other accidental spills of many types. It is also well known that there is a growing need for effective methods for treating oil-polluted waters to remove oils and oily materials therefrom. Numerous prior methods have been suggested for the removal of oil from water including mechanical skimming devices as well as oil adsorbants and absorbants.

Various materials have been suggested for the purification of water by the removal of oil or oily matter therefrom as in connection with condensing steam plants wherein oil is removed from condensed steam so that the water may be used again in the boiler without any of the harmful effects which are experienced when oily feed water is used in steam boilers. Oil separators which act upon exhaust steam from steam engines, pumps and the like have been used. The production of flocculent precipitates which in settling may gather up and carry down with them the oil in the water has been tried. Other operations for removing oil from water are known to the art. Particularly materials such as magnesite, dolomite, serpentine, olivine, asbestos, vermiculite, straw, hay, ground corn cobs, sawdust, and other materials such as those described in "Journal of the Institute of Petroleum", January 1971, page 38, have been used as adsorbants for removal of oil from water.

I have discovered that rice hulls per se, which have received no further treatment such as chemical coating on the surface thereof, upon contact with oil-polluted water very effectively will remove the oil therefrom. Thus, simply spreading rice hulls upon the surface of an oil-contaminated settling pond and then removing the rice hull-oil mixture will quickly remove oils therefrom. For example, the effluent from process or from settling ponds can be passed through a sluice wherein is retained a layer of rice hulls which floats on the water. The rice hulls absorb the oil and the water passes on substantially free from oil. Also, effluents can be passed through fixed beds of rice hulls to remove oil therefrom. Bodies of water that are contaminated, such as ponds and the like, can be treated by simply spreading rice hulls on the surface whereupon the rice hulls, which have become loaded with oily matter or residues through adsorption, absorption, or possibly both can be skimmed

from the water surface or can be removed by centrifugal or rotary pumps which provide suction lift. Even when following a procedure which involves agitation of a slurry of rice hulls and oil-contaminated water the rice hulls can be

used since the rice hulls when so used will float upon the surface of the water when it is allowed to become quiescent.

Further, the oil-loaded rice hulls can be treated in various ways for recovery of the oil therefrom. Still further, the oil and the rice hulls as recovered can be burned as a fuel which leaves only a small residue.

It is an object of this invention to provide a method for the removal of oil or oily contaminants from water. It is another object of this invention to provide a solid fuel by-product of the removal of oily or oily contaminants from water.

Other aspects, concepts and objects of this invention are apparent from a study of this disclosure and claims.

According to this invention, oil is removed from water contaminated therewith by contacting the oil-contaminated water with rice hulls. Further, according to this invention, the rice hulls need be merely floated upon the oil-contaminated water and the rice hull layer separated from the water to effectively separate the oil from the water. This is so whether the water is drawn off from beneath the rice hull layer or whether the rice hull layer is skimmed from the water surface.

Rice hulls useful in the process of this invention are derived from rice processing without any further treatment such as chemical coating on the surface thereof and are well known to those skilled in the art. More details concerning the nature and sources of rice hulls are presented in the book, *The Chemistry of Cereals as Food and Feed* by S.A. Matz, AVI Publishing Co., Westport, Conn. (1959), particularly in Chapter 16, "Rice Processing" by E.B. Kester.

Rice is a covered cereal; in the threshed grain (or rough rice), the kernel is enclosed in a tough siliceous hull (or husk) which renders it unsuitable for human consumption. When the hull is removed, the kernel is known as brown rice or unpolished rice. The rice hull is usually removed by a milling or shelling operation which can be done in any of a variety of machines designed for this purpose. After the hulls are removed they are usually separated from the heavier rice kernels by aspiration. In 1959 there were approximately 400,000 tons of rice hulls produced in the United States and in recent years the hulls have been produced at the rate of 1 million tons per year, and most of these were burned as a disposal means (see "Business Week", July 3, 1971, page 18).

Rice hulls have been used on occasion for stock litter, the soft grit blasting of metals, soil conditioning, polishing of semi-precious gems, making activated chars and carbon black, and as a fuel (boiler fuel in rice mills). Rice hulls have also been used as a seed diluent in the planting of seeds. Although rice hulls are low in food calories, limited amounts of them can be used in animal feeds without injury to animals.

Until the present invention was made, there had been no potentially large-scale use of rice hulls.

The method of this invention can be carried out at any temperature at which water exists. Ordinarily, the operation is effected at or below atmospheric pressure. However, elevated pressures can be employed. The time of contact of the rice hulls with the oil-contaminated water will depend somewhat upon the degree of purification desired to be obtained.

The optimum amount of rice hulls to be employed per amount of oil for each type of oil for each embodiment of this process, taking into account the volume of water, can readily be determined by mere mixture tests by one

skilled in the art. I generally prefer to use a substantial excess of rice hulls over the minimum actually needed to absorb the oil because the process is thus speeded up and because the rice hulls are relatively cheap.

The process of my invention is further illustrated in the following examples.

EXAMPLE 1

About 25 gallons of city water were added to a 55-gallon metal motor oil drum which was open at the top and an 1/8 inch layer of crude oil was added to cover the surface of the water. Rice hulls were then thrown into the drum to make about a 1/4 inch coverage on the oil surface and were left undisturbed for about 15 minutes. The oil-saturated hulls were then completely removed with an 1/8 inch mesh strainer leaving behind in the drum water which did not have a sheen or rainbow of crude oil on its surface.

Tests similar to the above were carried out in which the oil-soaked rice hulls were left in the drum for 11/2 hours and during this time none of the oil-rice hull combination sank into the bottom of the drum. In another test, the rice hulls were added to the surface of water alone in the drum and it was found that after 2 hours of soaking in water only about 5% by weight of the rice hulls had sunk to the bottom of the drum.

EXAMPLE 2

An actual field test was run on an oil-contaminated salt water pit. The salt water pit initially had some weathered crude oil on its surface, but in order to get complete pit coverage, 3 barrels of fresh 35 gravity crude oil were also added to the pit which was generally of rectangular shape of approximately 20 feet A- 35 feet. The oil-covered salt water pit was then treated with enough rice hulls to cause a 1/4 inch coating on the top thereof. In about 20 minutes after adding the rice hulls a 20-foot minnow seine was used to skim the oil-soaked rice hulls to the edge of the salt water pit. A tank truck equipped with a 2 inch rotary pump was used to remove the oil-saturated rice hulls from the water surface from the area where they had been concentrated. After the oil-saturated rice hulls had been removed there was no evidence that crude oil had been on the surface of the salt water pit.

EXAMPLE 3

A test similar to that described in Example 1 was carried out to determine whether rice hulls could be used to clean up gasoline spilled on water as they had been used to clean up petroleum oil. The procedure of Example 1 was repeated using motor gasoline. The gasoline-soaked rice hulls were removed from the water and were burned in a safe place leaving only a small residue. A lighted torch was then thrown into the drum containing the decontaminated water and was extinguished by the water with no flash burning indicating the absence of gasoline and gasoline vapor in the top of the drum.

08. Cost: Do not know. Rice hulls are probably a waste product that could be recycled sold as a fuel once collected.

09. Throughput: See above and info as copied from this site:

<http://www.freepatentsonline.com/3902998.html>

10. field tested: yes

11. Field testing desc: See above information as copied from this site:

<http://www.freepatentsonline.com/3902998.html>

button: Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: adsl-074-180-019-007.sip.jan.bellsouth.net (74.180.19.7)

Browser: Mozilla/5.0 (Windows; U; Windows NT 6.0; en-US; rv:1.9.0.10)

Gecko/2009042316 Firefox/3.0.10 (.NET CLR 3.5.30729)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt

Generic Sorbent Recs/Concepts

Generic: SA sent
US Idea



(121080655) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

Surface water
Sorbent/dragg
05/02/2010 08:06 AM

01.Name:Holly Stein
02.Organization:Cardinal Health
03.Email:holly.stein@cardinalhealth.com
04.Phone:614-749-1299
05.Type:technology, process, system
06.Briefdesc:Idea to Collect Oil: Fill shrimp boat nets with open cell foam, drag nets along coast/open waters to absorb the oil, as foam becomes saturated with oil tug boats drag oil soaked foam into open waters, burn foam and oil

Please respond back to me when you receive this email....also set up a website for others suggestions and I would like to volunteer to help

Best Regards,
Holly Stein
(614-749-1299)

07.Perfcriteria:Idea to Collect Oil: Fill shrimp boat nets with open cell foam, drag nets along coast/open waters to absorb the oil, as foam becomes saturated with oil tug boats drag oil soaked foam into open waters, burn foam and oil

Please respond back to me when you receive this email....also set up a website for others suggestions and I would like to volunteer to help

Best Regards,
Holly Stein
(614-749-1299)

08.Cost:N/A
09.Throughput:As many boats and open cell foam you can amass
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Submitting host: adsl-99-36-52-235.dsl.wotnoh.sbcglobal.net (99.36.52.235)
Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET CLR 1.0.3705; .NET CLR 1.1.4322; Media Center PC 4.0; .NET CLR 2.0.50727; InfoPath.2)
Referred: http://www.epa.gov/bpspill/techsolution.html



(121080655) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl
:

05/02/2010 08:06 AM

Concept
Open Cell Foam

Sorbent

01.Name:Holly Stein
02.Organization:Cardinal Health
03.Email:holly.stein@cardinalhealth.com
04.Phone:614-749-1299
05.Type:technology, process, system
06.Briefdesc:Idea to Collect Oil: Fill shrimp boat nets with open cell foam, drag nets along coast/open waters to absorb the oil, as foam becomes saturated with oil tug boats drag oil soaked foam into open waters, burn foam and oil

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Best Regards,
Holly Stein
(614-749-1299)

07.Perfcriteria:Idea to Collect Oil: Fill shrimp boat nets with open cell foam, drag nets along coast/open waters to absorb the oil, as foam becomes saturated with oil tug boats drag oil soaked foam into open waters, burn foam and oil

Please respond back to me when you receive this email....also set up a website for others suggestions and I would like to volunteer to help

Best Regards,
Holly Stein
(614-749-1299)

08.Cost:N/A
09.Throughput:As many boats and open cell foam you can amass
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET CLR 1.0.3705; .NET CLR 1.1.4322; Media Center PC 4.0; .NET CLR 2.0.50727; InfoPath.2)
Referred: <http://www.epa.gov/bpspill/techsolution.html>



(125154112) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/06/2010 03:41 PM

Handwritten: Hair mats
Surface Water Sorbent

01.Name:Daya Apunte
02.Organization:Inviro Design & Consulting
03.Email:daya@invirodesign.com
04.Phone:(828) 242-8722
05.Type:process
06.Briefdesc:Cleanup Process: Hair Mats to submerge underwater to attract oil.
Plus, it is NON-toxic. I urge you to not use chemical dispersant:

http://www.youtube.com/watch?v=EwQOD_Ir2vQ

07.Perfcriteria:You can treat soaked mats with vetiver plants, which has been
proven to naturally break down oil soaked material.

08.Cost:

09.Throughput:

10.fieldtested:yes

11.Fieldtestingdesc:They have been used in previous oil spills.

button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: 96-36-82-13.dhcp.hcky.nc.charter.com (96.36.82.13)

Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.1.9)

Gecko/20100315 Firefox/3.5.9 GTB7.0 (.NET CLR 3.5.30729)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(126013232) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/07/2010 01:32 AM

Popcorn
Genevieve

SW
Sorbent popcorn

01.Name:Walter N Eith
02.Organization:tbd
03.Email:walteith@hotmail.com
04.Phone:253-951-5113
05.Type:technology, process, system
06.Briefdesc:Disperse popcorn onto water surface oil concentration anywhere there oil on water for adsorption (use more or less popcorn depending on density of oil and spread of spill); far offshore this will facilitate ignition and burning, physical "scooping", etc. Near shore and on shore it will facilitate physical means of collection, etc. In all cases the adsorbed oil will be significantly less likely to harm water environment life. It is low cost material, it is safe, biodegradable, it has a high surface area to weight ratio, it's volume is low for even aircraft dispersal although there are several other efficient methods of dispersal. Additionally the collected popcorn with adsorbed oil can be used as a fuel without removing the adsorbing material (popcorn).
07.Perfcriteria:Please review brief description; tonight I am so tired I can't develop this further. I have identified many important ideas in my brief description. I can be contacted further if necessary for more insight into this idea.
08.Cost:Will be quite low compared to other options; remember this is considering all types of costs, eg material, dispersal, environment, etc.
09.Throughput:High
10.fieldtested:yes
11.Fieldtestingdesc: When I was a kid I used some popcorn to "soak up" some spilled salad dressing ... and now with this oil spill it might also work.
button:Send

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Submitting host: c-71-231-113-109.hsd1.wa.comcast.net (71.231.113.109)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.0; SLCC1; .NET CLR 2.0.50727; Media Center PC 5.0; .NET CLR 3.5.30729; .NET CLR 3.0.30618)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(124202134) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

05/05/2010 08:21 PM

Hair ✓

01.Name:Patrick Foy
02.Organization:Sunny 95 Radio WSNY
03.Email:patrick.foy@columbusradiogroup.com
04.Phone:614-451-2191
06.Briefdesc:I read & heard about the need to recruit hair salons to mail human hair to organizations that are collecting the hair, packing it by hand into nylons or panty-hose. The nylons with hair inside, are made into mats or booms to collect oil. (like the oil from the recent oil spill in the Gulf) Hair apparently absorbs oil.

Question...

- 1.) Is there actually a substantial need for large amounts of hair to be donated & sent to the organizations doing this work??
- 2.) Will this become a situation (much like plastic containers that are reportedly collected & stored in mountains of piles of plastic because it is not economically profitable to reuse that plastic??

I would like to organize the hair salons in Central Ohio to collect the hair. I do not want to start something like this, only to find out later that the hair is not needed.

Your thoughts...?? Or have you heard about this??or direct me to others.... Thanks for the opportunity to have someone to "ask"... appreciated.... Patrick Foy

07.Perfcriteria:
08.Cost:
09.Throughput:
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: pool-70-106-162-131.chi01.dsl-w.verizon.net (70.106.162.131)
Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.0; WOW64; Trident/4.0; GTB5; SLCC1; .NET CLR 2.0.50727; Media Center PC 5.0; Media Center PC 5.1; .NET CLR 3.5.30729; .NET CLR 3.0.30729; OfficeLiveConnector.1.4; OfficeLivePatch.1.3)



(126092953) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/07/2010 09:29 AM

Feathered
Need Sorbant
Applic after
letter

SW
Sorbant

01.Name:mary honkanen
02.Organization:n/a
03.Email:maryhunthonk@gmail.com
04.Phone:251.463.1930
05.Type:process, system
06.Briefdesc:Bundle chicken feathers in natural netting (not pantyhose, which will dissolve in oil), connect them like sausage links and put them a few miles off shore .Make the chains two lines thick, staggered. There are 10,000s pounds of feathers wasted each day from our chicken strip fetish. Oil loves feathers; let it stick to chicken feathers and not our living terns, pelicans, herons, etc. The bags/nettings have to be cotton or natural, again, NOT synthetic. The feathers float naturally.
07.Perfcriteria:
08.Cost:
09.Throughput:
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: adsl-90-115-172.mob.bellsouth.net (98.90.115.172)
Browser: Mozilla/5.0 (Macintosh; U; PPC Mac OS X Mach-O; en-US; rv:1.7.10) Gecko/20050716 Firefox/1.0.6
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(122094553) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 09:45 AM

Sorbent ✓ *Feathers*

01.Name:Anneke
02.Organization:Private
03.Email:anneke@waterkloofwines.co.za
04.Phone:+27 21 858 1292
05.Type:process
06.Briefdesc:Cleanup process - using waste by-product CHICKEN FEATHERS to bind
/ contain oil for easy removal
07.Perfcriteria:Low impact natural cleanup material, readily available in high
volumes and available/collected at relatively low cost
08.Cost:Unknown
09.Throughput:Could waste feathers help with the cleanup?
10.fieldtested:yes
11.Fieldtestingdesc:tested by nature! Bird life coming in contact with oil
spills are quickly logged with oil, so it stands to reason that feathers
strewn onto oil slick, should do the same
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: 42.41.214.196.cape-connect.com (196.214.41.42)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET CLR 1.1.4322;
.NET CLR 2.0.50727)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt

Generic: Hair



(122141109) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 02:11 PM

Sorbent

Hair

01.Name:Adam Tracey
02.Organization:
03.Email:cajun2001@gmail.com
04.Phone:504-723-4565
05.Type:technology
06.Briefdesc:Use of Waste Hair to Absorb Oil for Easy Clean-up
07.Perfcriteria:Oil contained and concentrated.
08.Cost:
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:
<http://planetgreen.discovery.com/videos/g-word-hair-mat.html>
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: ool-44c1b7df.dyn.optonline.net (68.193.183.223)
Browser: Mozilla/5.0 (Windows; U; Windows NT 6.1; en-US; rv:1.9.2.3)
Gecko/20100401 Firefox/3.6.3
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt



(121200405) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
: Mehl, Reggie Washington, Kay
: Morrison

05/02/2010 08:04 PM

Sorbent

01.Name:Keith Bunch
02.Organization:Bunch Logging Inc.
03.Email:proharvesting@hotmail.com
04.Phone:6013150166
05.Type:process
06.Briefdesc:Use Hay left over from Winter by Farmers to spread on Beaches oil
will attach to hay easily picked up and incinerated.Lots of hay available in
Miss. Ala. Fla. Easy to administer just roll out.
07.Perfcriteria:Natural and effective
08.Cost:Prob \$40.00 a round bail or some donated to cause
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:I think it is used in creeks and small spills onland.
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: b12webproxy06.direcpc.com (69.19.14.20)
Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.1.9)
Gecko/20100315 Firefox/3.5.9 (.NET CLR 3.5.30729)
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt

Generic: Saw Dust



(121221019) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
: Morrison

05/02/2010 10:10 PM

Sorbent

01.Name:Jim Miller
02.Organization:concerned citizen
03.Email:2jmillers@gmail.com
04.Phone:360.597.4434
05.Type:process
06.Briefdesc:Sawdust will adsorb the oil and can be vacuumed off the surface of the ocean.
07.Perfcriteria:
08.Cost:Call Green Circle Bio at 404-630-7777. This is their commercial contact. Or try this number: 850-832-8346. They are located on the gulph and could be ready tomorrow. have no idea what the cost is. Just make the call.
09.Throughput:Call Jack Miller at 303.584.9490 for a better explanation of this process.
10.fieldtested:yes
11.Fieldtestingdesc:Pellets poured into a container of oil. After 30 seconds the company representative drank the water to demonstrate the safety of the process.
button:Send

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Submitting host: c-24-21-135-79.hsd1.wa.comcast.net (24.21.135.79)
Browser: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.6; en-US; rv:1.9.2.3) Gecko/20100401 Firefox/3.6.3
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(122134103) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

Hair

05/03/2010 01:41 PM

Sorbent

01.Name:Tradd Cotter
02.Organization:Mushroom Mountain LLC
03.Email:traddcotter@mushroommountain.com
04.Phone:864-855-2469
05.Type:technology, process, system
06.Briefdesc:Hair collects/traps oil and not seawater
Human and animal hair collected from public and businesses. Have all military bases in the US serve as drop off centers for the hair and get it to the Coast Guard on site.

Use coast guard to airdrop hair, or boats can broadcast it into the spill area.

The oiled hair can be dragged, netted, and remediated onshore using lined, metal debris dumpsters. The hair will be thoroughly mixed with spent mushroom substrate of the genus *Pleurotus*, a known hydrocarbon metabolizer. We can also create the biomass necessary for the remediation on site using area schools and businesses to donate their cardboard and paper waste to mix into the remediation composters.

07.Perfcriteria:This has been done before in San Francisco at their oil spill cleanup, just not at this magnitude.

08.Cost:the hair will be free from the public if we ask for it. The cost will be for dispersal, collection, and remediation, depending on volumes of remediation fungi needed to complete the bioremediation.

09.Throughput:

10.fieldtested:yes

11.Fieldtestingdesc:Yes, in San Fransisco the hair mats were collected and remediated onshore using white rot fungi (mushroom spawn). Highly efficient, can break down the oil in about 12 weeks once removed from the Gulf.

button:Send

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Submitting host: adsl-71-179-103.gsp.bellsouth.net (98.71.179.103)

Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.2.3)

Gecko/20100401 Firefox/3.6.3 (.NET CLR 3.5.30729)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc



(123100907) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/04/2010 10:09 AM

Sponges
Surface water
Sorbent

01.Name:Barb Favuzzi
02.Organization:
03.Email:bfavuzzi@gmail.com
04.Phone:315-402-3484
05.Type:technology, process, system
06.Briefdesc:How about using natural SPONGES to help absorb and filter oil &
other contaminants. Perhaps you can consult with appropriate experts to
evaluate feasibility. If not of immediate help, maybe it could be considered
for a long-term recovery element.
07.Perfcriteria:Unknown
08.Cost:Unknown
09.Throughput:?
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

WARNING NOTICE

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Submitting script: /cgi-bin/mail.cgi

Submitting host: cpe-74-71-143-190.twcny.res.rr.com (74.71.143.190)

Browser: Mozilla/4.0 (compatible; MSIE 6.0; Windows 98; Win 9x 4.90; .NET CLR 1.1.4322)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt

Gennie - Hair



(124150354) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

05/05/2010 03:03 PM

Surface water
Sorbent

01.Name:Lucas Mayhugh
02.Organization:Central Oregon Community College
03.Email:lmayhugh@cocc.edu
04.Phone:315-777-0523
05.Type:process, system
06.Briefdesc:Human hair.
07.Perfcriteria:The hair will soak up the oil and can the two components can be sorted out when everything is cleaned up.
08.Cost:There are more hair clippings generated in the U.S. than needed to clean up any oil spill. The cost would be drastically lower than even one tank of your dispersant and you would still be able to use the oil once the problem is dealt with, therefore, the cost is low.
09.Throughput:I'm not sure what this means...in terms of delivery of the system, you can simply dump the hair on the oil and then strain it out when the hair has done it's job.
10.fieldtested:yes
11.Fieldtestingdesc:I actually read an article a long time ago about human hair being a rather simple, effective, and relatively cost-free way of cleaning oil spills. I have tested it myself on vegetable oil because I wanted to see if it would work and in my experience, it does. I put the oil soaked hair in hot water for a couple minutes and the oil rose to the top and separated from the hair which sank.
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: bc181130.bendcable.com (216.228.181.130)
Browser: Mozilla/5.0 (Windows; U; Windows NT 6.0; en-US; rv:1.9.2.3)
Gecko/20100401 Firefox/3.6.3 (.NET CLR 3.5.30729)
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt

Generie Ham



(120182610) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl
:

No

05/01/2010 06:26 PM

History: This message has been forwarded.

01.Name:Francie Hiles
02.Organization:
03.Email:franciehiles@gmail.com
04.Phone:
05.Type:technology
06.Briefdesc:I am not employed by this company, I just know of them because I got my hair salon to donate all of their hair clippings to them because it's such a worthwhile cause.
07.Perfcriteria:The hair mats absorb oil in the ocean! Then, these used hair mats can be composted & used again.
08.Cost:
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:Check out their website, www.matteroftrust.org
button:Send

SW Sorbent

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Submitting script: /cgi-bin/mail.cgi

Submitting host: (216.236.168.105)

Browser: Mozilla/5.0 (Windows; U; Windows NT 6.0; en-US) AppleWebKit/531.22.7 (KHTML, like Gecko) Version/4.0.5 Safari/531.22.7

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(121000537) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

05/02/2010 12:05 AM

History: This message has been forwarded.

01.Name:Bianca Beadling
02.Organization:
03.Email:bianca.beadling@gmail.com
04.Phone:412-892-8465
05.Type:process
06.Briefdesc:cleanup process- using feathers and down to soak up oil

*Surface water
Sorbent*

A commenter on a Greenpeace article, named Anna, submitted this solution: FEATHERS/DOWN for clean up. It has been proven to work by millions of live birds in the past. Easy to implement and you can source the material locally. Super light to transport. The feathers have tiny filaments which get coated with oil. The feathers, once coated, form into clumps and contain the oil and they float. The clumps congregate into larger formations which can be collected. You can drop the clean feathers directly on the affected areas, even in the marshy areas. Waves and wind will help coat the feathers and absorb the oil. The more agitation the better. Volunteers can also source feathers and use directly in the affected areas and marshes.

<http://www.youtube.com/watch?v=Sk6lTQnAvvs>

<http://www.youtube.com/watch?v=bqZQHBctT70>

07.Perfcriteria:reduction in contaminant concentration

08.Cost:No idea. Get them from the poultry farmers for free.

09.Throughput:

11.Fieldtestingdesc:

button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: host202.201-253-120.telecom.net.ar (201.253.120.202)

Browser: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10_5_8; en-us)

AppleWebKit/531.22.7 (KHTML, like Gecko) Version/4.0.5 Safari/531.22.7

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(121000537) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

Jeffrey Levy, Minerva Rojo, Adrea Mehl

05/02/2010 12:05 AM

History: This message has been forwarded.

01.Name:Bianca Beadling
02.Organization:
03.Email:bianca.beadling@gmail.com
04.Phone:412-892-8465
05.Type:process
06.Briefdesc:cleanup process- using feathers and down to soak up oil

A commenter on a Greenpeace article, named Anna, submitted this solution: FEATHERS/DOWN for clean up. It has been proven to work by millions of live birds in the past. Easy to implement and you can source the material locally. Super light to transport. The feathers have tiny filaments which get coated with oil. The feathers, once coated, form into clumps and contain the oil and they float. The clumps congregate into larger formations which can be collected. You can drop the clean feathers directly on the affected areas, even in the marshy areas. Waves and wind will help coat the feathers and absorb the oil. The more agitation the better. Volunteers can also source feathers and use directly in the affected areas and marshes.

<http://www.youtube.com/watch?v=Sk6lTQnAvvs>

<http://www.youtube.com/watch?v=bqZQHBctT70>

07.Perfcriteria:reduction in contaminant concentration
08.Cost:No idea. Get them from the poultry farmers for free.
09.Throughput:
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: host202.201-253-120.telecom.net.ar (201.253.120.202)

Browser: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10_5_8; en-us)

AppleWebKit/531.22.7 (KHTML, like Gecko) Version/4.0.5 Safari/531.22.7

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt

DUP Generic: Beadling

SW

Sorbent



(124104059) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
: Morrison

05/05/2010 10:41 AM

*Cenqui - Hair
Panty hose*
*Surface water
sorbeent*

01.Name:Kris Beck
02.Organization:
03.Email:kcebsirk1@netzero.com
04.Phone:
05.Type:process
06.Briefdesc:Organize a hair and pantie hose collection campaign for creating
oil collection / water filters for the oil spill. Possible partnering with
hair salon and B.P. stations.
07.Perfcriteria:
08.Cost:
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: 04-176.192.popsite.net (66.217.117.176)
Browser: Mozilla/5.0 (X11; U; Linux x86_64; en-US; rv:1.9.0.16)
Gecko/2009121609 Icedweasel/3.0.6 (Debian-3.0.6-3)
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt

Ceneue: Feathers



(124114930) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Ray
: Morrison

05/05/2010 11:49 AM

Surface water
Sorbent

01.Name:Gnan Vratah
02.Organization:None
03.Email:gnavvrath@gmail.com
04.Phone:00447595369093
05.Type:process
06.Briefdesc:Collect the feathers from poultry farms to make booms from them. Feathers also behave like hair and are more abundantly available from poultry farms (idea similar to <http://www.fastcompany.com/1636656/gulf-oil-spill-cleanup-techniques-bp-deepwater-horizon>)
07.Perfcriteria:Better containing of the oil by efficient booms
08.Cost:Transport of goods that are as light as a feather. Basically, there would be a need to get the feathers from the poultry farms to the site of the spill
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:every bird that had the misfortune of going through an oil spill http://en.wikipedia.org/wiki/File:Oiled_bird_3.jpg
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: (195.92.109.20)

Browser: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.0.3705; .NET CLR 1.1.4322; InfoPath.1; MS-RTC LM 8; .NET CLR 2.0.50727)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(122012518) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 01:25 AM

Sorbent

01.Name:Devin G. Martin

02.Organization:Sierra Club Delta Chapter

03.Email:devin.martin@sierraclub.org

04.Phone:985-209-5454

05.Type:technology

06.Briefdesc:Create mats of feathers and human hair from salons and national donations from individuals and poultry producers to use as a low cost way of absorbing some oil. Shrimpers and oystermen are already being employed to displace booms. Makeshift nets can be constructed from the hair/feather mats and trawling nets to allow a fleet of volunteer or paid crews to skim waters and remove petroleum.

There are already networks and groups mobilizing the collection of human hair, and I am working to get the National Sierra Club to help in the mobilization and coordination efforts.

07.Perfcriteria:In one test, described by Ned Rozell of the Geophysical Institute at the University of Alaska Fairbanks, filled 40 gallons of water and 15 gallons of oil were filtered though nylon bags. The hair was determined to have reduced the oil concentration to just 17 parts of oil per million parts of water, or about two drops of oil for the 55-gallon drum.

See "A Hairy Solution for Crude Oil Spills", August 12, 1998 by Ned Rozell.

08.Cost:Not sure at this point, but the hair will be free. The costs of making mats, constructing booms, and employing skimmers (shrimpers?) could be highly variable.

09.Throughput:

10.fieldtested:yes

11.Fieldtestingdesc:Use of human hair as an oil absorbent was first popularized in 1989 in the Exxon Valdez spill. Since then, it has been used on several oil spills, most notably in a 2006 oil spill in the Philippines.
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: adsl-150-25-4.abn.bellsouth.net (72.150.25.4)

Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US) AppleWebKit/532.5 (KHTML, like Gecko) Chrome/4.1.249.1064 Safari/532.5

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt



(121113734) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

05/02/2010 11:37 AM

History: This message has been forwarded.

01.Name:James Minion
02.Organization:Florida Prospers
03.Email:jim.minion@floridaprospers.org
04.Phone:904-476-5918
05.Type:process
06.Briefdesc:For coastline clean-up use hair mats, hay/straw bales,
non-permeable tarps and oyster mushroom spawn.
07.Perfcriteria:Mushrooms are uniquely designed to break the hydrogen-carbon
bond converting polycyclic aromatic hydrocarbons into fungal sugars which are
consumed by the mushroom mycelium. There is no secondary pollution stream.
08.Cost:There is no comparable cost assessment for a application of this
scale. Costs are mitigated by the ability to treat the contamination on-site
and the lack of a secondary pollution stream.
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:
<http://inhabitat.com/2010/04/29/cleaning-up-oil-spills-with-mushrooms-and-hair/#ixzz0mW4LhOZx>

<http://www.youtube.com/watch?v=mKSq2fyOb40>

button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: adsl-074-170-110-228.sip.jax.bellsouth.net (74.170.110.228)

Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US) AppleWebKit/532.5 (KHTML, like Gecko) Chrome/4.1.249.1064 Safari/532.5

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt

Cennii: Hair
Hay
Mushroom

Sorbent



(121155421) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

05/02/2010 03:54 PM

Sorbent

01.Name:Dana Lee Cohen
02.Organization:Ecology NOW TV
03.Email:modernbodywork@aol.com
04.Phone:212.254.2458
05.Type:technology
06.Briefdesc:Paul Stamets at Fungi Perfecti has created cleanup process for onshore oil using mushrooms trained to eat the oil. It yields healthy soil!

Also, there is the hair mat clean up in San Francisco that he was very involved with.

07.Perfcriteria:non-toxic clean-up of crude oil
yields healthy soil
not crazy expensive

08.Cost:Please contact Paul Stamets at FungiPerfecti.com for pricing.

09.Throughput:Please do not use the oil dispersants anymore. They are going to spread the mess even further and complicate its bio-impact even more. The oil dispersants have a bad effect on fish embryos. See Pro Publicas news, PLEASE. It's really the last thing we need: more chemicals!

10.fieldtested:yes

11.Fieldtestingdesc:I have seen photographs. Please contact fungi.Perfecti for more statistics.

button:Send

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This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi

Submitting host: pool-173-52-1-72.nycmny.east.verizon.net (173.52.1.72)

Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US) AppleWebKit/532.5 (KHTML, like Gecko) Chrome/4.1.249.1064 Safari/532.5

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt



(124033550) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva, Fla, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/05/2010 03:35 AM

*Subject: water
sorbeent
Hair*

01.Name:Tom O'Brien
02.Organization:Floyd's 99 Barbershop
03.Email:tom@floydsbarbershop.com
04.Phone:310 261-5903
05.Type:process, system
06.Briefdesc:Coordinate with post office for free shipping of hair from salons nationwide to create "hairbooms" to soak up oil.
07.Perfcriteria:contaminants soaked up and removed
08.Cost:unknown
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:see www.matteroftrust.org
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: cpe-76-91-231-32.socal.res.rr.com (76.91.231.32)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET CLR 2.0.50727; .NET CLR 1.1.4322; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; InfoPath.1)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt



(123110319) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

05/04/2010 11:05 AM

Generic
Clay-Cat litter
Surface water
Sorbent

01.Name:Dennis Taylor
02.Organization:DR Taylor Consulting
03.Email:dtaylor.9@juno.com
04.Phone:815-308-5333
05.Type:technology
06.Briefdesc:Attapulgite (and to a somewhat lesser degree bentonite) clays commonly used as cat litters will absorb oils in the range 20-45% by wt. from an aqueous system. Once absorbed and equilibrated, the oil would remain entrained on the clay almost indefinitely.
07.Perfcriteria:The idea would be to inject dry powdered clay or clay granules by pipe into the ascending oil column where it would be absorbed. The increase in density (clay + oil) would cause the clay/oil absorbate to fall to the bottom of the sea.
08.Cost:\$160,000 - \$340,800 / day based on throughput calculations (see below) assuming \$80/ton for low-grade absorbent.
09.Throughput:I understand well leaking at rate of 210,000 g/d. Assuming a specific gravity of 0.973 for the crude oil, I calculate the well is leaking oil at a rate of 842 ton/d. Assuming 20 - 45% absorption of oil on clay, I calculate a need for 1900 - 4300 ton/d of clay absorbent. If you marshaled and coordinated output of major US and Mexican clay producers, you could probably satisfy the required daily production needs at these levels.
10.fieldtested:yes
11.Fieldtestingdesc:In a sense. Such clays, in an activated state, are used to process vegetable oils. The oil retention by commercial processors of vegetable oils is well established.
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: c-98-227-127-82.hsd1.il.comcast.net (98.227.127.82)
Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; AskTB5.6)
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(123130018) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
: Morrison

Generic
Hay

Surface water
dispersant
containment

05/04/2010 04:00 PM

01.Name:Theresa Barrett-Bryant
02.Organization:CMT Janitorial
03.Email:cmtjan@bellsouth.net
04.Phone:954-347-1642
05.Type:technology, process
06.Briefdesc:Clean-up process and dispersant that can be used is very
simple.....Hay...that we feed horses with.
Hay with the salt water will absorb the oil and break it down and will not
affect the environment. Not technological, but very simple form of solution
from bygone days. Tests can be carried out. Only problem is can we find that
much hay.
07.Perfcriteria:I am not a scientist. Just someone from the islands.
08.Cost:
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:This method has been used for years and it does work.
button:Send

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civil and/or administrative action. For official
purposes, law enforcement and other authorized personnel
may monitor, record, read, copy and disclose all
information which an EPA system processes. Any person's
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Submitting script: /cgi-bin/mail.cgi
Submitting host: adsl-64-127-245.mia.bellsouth.net (98.64.127.245)
Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.1; WOW64;
Trident/4.0; GTB6.4; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLR
3.0.30729; Media Center PC 6.0; eSobiSubscriber 2.0.4.16)
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(123133942) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/04/2010 07:39 PM

Generic
oyster mushrooms
Surface water
bioremediation

01.Name:Mary Ann O'Shell
02.Organization:
03.Email:moshell173@gmail.com
04.Phone:865-248-8091
05.Type:technology, process, system
06.Briefdesc:ENVIRONMENTALLY FRIENDLY OIL SPILL CLEAN UP METHOD:
research has been done with oyster mushrooms as effective agents of oil
cleanup; mushrooms digest the oil leaving no hazardous byproducts.
07.Perfcriteria:VERIFY AGAINST RESEARCH DONE ON CALIFORNIA BEACHES:
<http://www.uas.coop/node/1011>
08.Cost:
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:see above
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: 75-151-57-221-nashville.hfc.comcastbusiness.net
(75.151.57.221)

Browser: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.5; en-US; rv:1.9.2.3)
Gecko/20100401 Firefox/3.6.3

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(123135023) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

05/04/2010 01:50 PM

Surface water
sorber
barrier

01.Name:Tim Martell
02.Organization:President: CCFC (Concerned Citizens for Florida's Coastline)
03.Email:timinflorida@hotmail.com
04.Phone:239-247-4955
05.Type:system
06.Briefdesc:Since oil is absorbed by feathers, I propose that we attempt to use the billions of chicken and turkey feathers at our disposal through chicken and turkey processing plants. feathers can be dispersed within boom boundaries and skimmed off the surface. We know that feathers absorb oil and we have them. Lets use them in an intellegent way.

1. Use them out in the gulf on the main spill to create a feather soup that will absorb oil.

2. Create a barrier along the coast where we know the oil will reach the beach. Burlap sacs filled with chicken and turkey feathers will filter the water of tonnes of oil.

3. Contain and disperse feathers on the beaches where we know oil will reach the shore.

4. We should create walls with 2x4 framing and walls of chicken wire. Burlap sacs can be placed side by side inside the framing. That way, when the feathers are saturated, the burlap sac can be removed and replaced with fresh feathers packed inside another burlap sac.

4. Peat moss will also filter oil. We should consider using peat moss and chicken feathers to create huge filters that can be placed under an oil slick and slowly raised to filter the oil out at the surface.

4. This may not be so much a government response function, but if one chicken feather can absorb one drop of oil, and we have a billion chicken feathers, that means we removed a billion drops of oil. Local people could employ these simple techniques to filter the the oil out of the water as it hits the shoreline. It may not filter it all but I believe it could reduce impact to a measurable degree. This is a absorbant we can utilize on a large scale.

07.Perfcriteria:Natural oil absorbant overlooked.

08.Cost:Chicken feathers are a dispensible resource. They could be obtained cheaply. I would estimate about \$25,000 per sq kilometer of seawater or coastline filtered using burlap sacs and chicken feathers.

09.Throughput:

10.fieldtested:yes

11.Fieldtestingdesc:We absolutely know for a fact that feathers absorb oil...lets use them to filter oil contaminated seawater as it hits the shoreline. I believe we should use the burlap sac containment strategy I mentioned above. Anyone can utilize these water filtering strategies by making burlap sac holding units.

button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: fl-71-54-8-156.dhcp.embarqhsd.net (71.54.8.156)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.1; WOW64;

Trident/4.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLR 3.0.30729; Media Center PC 6.0; CPNTDF)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt

Generic
Saw Dust



(123140319) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo,
: Morrison

05/04/2010 02:03 PM

~~CONFIDENTIAL~~
Surface water
Sorbent

01.Name:James Wait
02.Organization:Waterloo GeoEnvironmental, LLC
03.Email:jfwait@waterloogeo.com
04.Phone:517-748-0074
05.Type:technology, process
06.Briefdesc:I canâ€™t find who I should send this recommendation to, so I am sending it to you. As an environmental consultant, I have experience with different types of petroleum remediation. May I suggest as a cost effective, interim remedial measure for the oil in the gulf, an application of saw dust. I know there are loads of saw mills in the south with tons of saw dust. This could easily be spread from above and it would soak up much of the oil thereby preventing the spread of the existing slick. The dust would also aid in the bioremediation process should any make it to shore. The dust would also make corraling the oil easier for removal/burning.

Thanks for your time.

Jim Wait

Waterloo GeoEnvironmental, LLC

www.waterloogeo.com

07.Perfcriteria:Emulsion Control
08.Cost:
09.Throughput:
11.Fieldtestingdesc:There is nothing comparable to the scale of this event.
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: 75-107-197-187.cust.wildblue.net (75.107.197.187)
Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; GTB0.0; .NET CLR 1.0.3705; .NET CLR 1.1.4322; Media Center PC 4.0; MS-RTC EA

2; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; msn
OptimizedIE8;ENUS)
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt

Generic: With



(124155108) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/05/2010 03:51 PM

Surface Water
Sorbent

01.Name:Anony Mole
02.Organization:N/A
03.Email:anonymole@gmail.com
04.Phone:
05.Type:system
06.Briefdesc:Air blown kitty litter sprayed over oil, adsorbs, clumps and
sinks.
07.Perfcriteria:
08.Cost:
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: c-71-237-136-207.hsd1.or.comcast.net (71.237.136.207)
Browser: Mozilla/5.0 (Windows; U; Windows NT 6.1; en-US) AppleWebKit/532.5 (KHTML, like Gecko) Chrome/4.1.249.1064 Safari/532.5
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(122095051) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 09:50 AM

*Generic - Talc
Sinking Agent?*
*Surface water
absorbent*

01.Name:John Woodland
02.Organization:Iowa DNR
03.Email:john.woodland@dnr.iowa.gov
04.Phone:(515) 242-5160
05.Type:technology, process
06.Briefdesc:The substance I would use is hydrous magnesium silicate, also known as talc. It floats on water, absorbs oil and agglomerates (clumps together), preventing the oil from contaminating the land, seabed, and wildlife. Under worse-case conditions, talc would minimize the damage caused by the oil.
07.Perfcriteria:Up to 100% absorption of oil. Up to 100% recovery of talc, once used. No hazardous residue. The oil on a water surface will actually flow into the talc.
08.Cost:This is probably the least expensive method of oil absorption. The cost of talc would be less than 50 cents per pound. Depending on the type of talc, a volume or weight of talc will absorb approximately and equal volume or weight of oil.
09.Throughput:Depending on the type of talc, a volume or weight of talc will absorb approximately and equal volume or weight of oil.
10.fieldtested:yes
11.Fieldtestingdesc:Never on this scale. Talc is applied to the oil on a water surface. Near the coastline, the talc can be applied to the spill by people in boats using leaf blowers. The talc is poured from bags into a bucket (5 to 35 gallon) and then suctioned out of the bucket and blown onto the oil with the leaf blower. This method is simple, but effective on a small scale. The other method, which is for larger scale oil spills, is by using aircraft to apply the talc in the same way that flame retarded is applied to forest fires.

button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: (165.206.35.157)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt

Genne - Way



(123102053) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

2010 10:21 AM

*Surface water
oil spill
surface collection*

01.Name:Manfred Humphries
02.Organization:Waxogen
03.Email:manfred@flyer.ca
04.Phone:416-832-1769
05.Type:process
06.Briefdesc:applying powdered or hot paraffin wax to oil causes it to coagulate .
07.Perfcriteria:oil and wax are totally recoverable; oil residue is minimal
08.Cost:dirt cheap
09.Throughput:tanker truck on a ferry down to backpack hand held sprayer
10.fieldtested:yes
11.Fieldtestingdesc:see
http://www.facebook.com/pages/Waxogen/110383575670476?v=app_2347471856

button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: (69.77.191.202)
Browser: Mozilla/5.0 (Windows; U; Windows NT 6.0; en-GB; rv:1.9.1.9)
Gecko/20100315 Firefox/3.5.9 (.NET CLR 3.5.30729)
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt



(124141938) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/05/2010 02:19 PM

Surface Water
Sorbent

01.Name:n tisdale
02.Organization:
03.Email:neal.tisdale@ventyx.com
04.Phone:404 729 4184
05.Type:system
06.Briefdesc:air drop massive amounts of saw dust onto the oil slick. The
sawdust and wood high surface area absorbs a lot of the oil, its
environmentally friendly, floats, and is in ready supply in mountains near
sawmills, is lightweight to transport via air.
07.Perfcriteria:
08.Cost:
09.Throughput:
11.Fieldtestingdesc:
button:Send

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This information is for tracking purposes only.
Submitting script: /cgi-bin/mail.cgi
Submitting host: (97.65.38.98)
Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.2.3)
Gecko/20100401 Firefox/3.5.5 NET_mmhpsset GTB7.0
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(124120014) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

05/05/2010 12:01 PM

*surface water
sorbeent*

*Concrete: Sn Dcut
Edea Use
Vermiculite*

01.Name:Mike Darling
02.Organization:Palabora Europe Ltd
03.Email:mike.darling@riotinto.com
04.Phone:++44 1483 246551
05.Type:technology
06.Briefdesc:Experimental work in the 1960's in the UK after a major coastal oil spill showed that floating exfoliated vermiculite absorbed both oil and seawater and whe the particle reached a density slightly in excess of seawater the particle with its absorbed oil sank to the base of the test tanks.
07.Perfcriteria:This process demonstrated on a laboratory pilot scale test that floating oil on seawater could be removed from the surface and dispersed. Although this process was never tested on a large scale it did show significant promise.
08.Cost:Cost models in the 1960's are probably not reliable today. Further laboratory scale tests would need to be performed to assess this in the present day.
09.Throughput:Theoretically exfoliated vermiculite should be capable of absorbing around 300 - 400% of oil by weight
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: host90-152-49-18.ipv4.regusnet.com (90.152.49.18)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(125074536) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

05/06/2010 07:45 AM

Generic: Cleanup
Recs.
Sorbentz

01.Name:Tracey
02.Organization:
03.Email:sourbitz@yahoo.com
04.Phone:352-665-8319
05.Type:technology, process, system
06.Briefdesc:Why cant they spead lots of absorbent material with lots of surface area, that would float..have no idea..paper towels, kitty litter..garbage..Solution needs thinking outside the Box..just something that would not sink....when wet and oil soaked, etc etc and then vacuum it up with some devices that must exist or could be made easily..that would ultimately keep the absorbent material with oil attached and then put salt water, back into the gulf...if possible after some toxin removal process beyond just the oil adhered to material. Would take lots of ships/planes to disperse..and there would have to be a less negative affect on sealife that might eat this, then affect of oil entering their systems through other means? IF NO MACHINES EXSIT..perhaps some very fine netting to be dragged along the surface to pick up absorbent material with oil and dumped. I realize hard to orchestrate with number of boats etc..Maybe Shrimp Boats could do netting...to pick up absorbent

oil soaked material..OR some version of this!?
07.Perfcriteria:Contaminants removed as best as possible..and maybe also disperse of of the bacteria that feeds on oil and reduces to CO2 and Water...as fup to removal of oil...i.e. laboratry produced, to enhance the utilization of remaining oil?

08.Cost:NO IDEA!

09.Throughput:

10.fieldtested:no

11.Fieldtestingdesc:

button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: adsl-098-069-095-252.sip.gnv.bellsouth.net (98.69.95.252)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.04506.648; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

SW
Sorbent



(122134610) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 01:46 PM

01.Name:RICK RICHMAN
02.Organization:SELF
03.Email:rickrichman@gmail.com
04.Phone:4159484099
05.Type:process
06.Briefdesc:Massive airdrop of oil absorbent floating pads initially at strategic locations. Inside and outside of the coastal oil booms at any coastal areas. And at ground zero of oil well to stem expansion. Then expand in between. Deploy thousands of ships to squeeze and store recovered oil and redeploy absorbent boom pads.
07.Perfcriteria:Attempt to recover 200,000 barrels of oil per day.
08.Cost:\$2 billion minimum between materials and manpower.
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:This process has been used in other spills and is highly effective if removing dangerous material.
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: 76-14-60-251.sf-cable.astound.net (76.14.60.251)
Browser: Mozilla/5.0 (Windows; U; Windows NT 6.0; en-US; rv:1.9.1.9)
Gecko/20100315 Firefox/3.5.9
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt

Genere Cleanup + area
Sorbent
✓

Generic: Cleanup
Rec
idea - sorbents

Dup?



(120212647) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

05/01/2010 09:26 PM

History: This message has been forwarded.

Sent with
Sorbent

01.Name:Kevin Frank
02.Organization:
03.Email:kingfisher-red@sbcglobal.net
04.Phone:
05.Type:technology
06.Briefdesc:Have planes just drop oil absorbant mats on the floating oil, the oil will absorb into the mat and the mats could be picked up by boats or when they get to land, this is not a fix all solution but each 3x3 should absorb close to 1 gallon of oil.
07.Perfcriteria:
08.Cost:
09.Throughput:
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: adsl-69-151-212-202.dsl.hstntx.swbell.net (69.151.212.202)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; GTB6; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; AskTB5.6)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt



(122163710) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 04:37 PM

✓
Generic

Sorbent

01.Name:James Davis
02.Organization:
03.Email:jpdavis@osagebeach.org
04.Phone:5733022000
05.Type:technology
06.Briefdesc:I would like to suggest small sponges. They could be similar to packing peanuts. The sponges could be dumped via aircraft into the the spill area. They would eventually wash up on shore but be easier to clean up than the oil.
07.Perfcriteria:I don't have a way to test the idea
08.Cost:I would not have any idea of cost.
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: www.osagebeach.org (12.170.192.211)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; GTB6; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt

Generic



(122165410) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 04:54 PM

Hay
SW



Sorbent

01.Name:James Davis
02.Organization:
03.Email:jpdavis@osagebeach.org
04.Phone:5733022000
05.Type:process
06.Briefdesc:Since hay and straw will soak up oil, hay could be spread over the thickest parts of the oil spill and then scooped from the water or picked up off the shore.
07.Perfcriteria:once the hay is captured it could be burned.
08.Cost:unknown
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: www.osagebeach.org (12.170.192.211)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; GTB6; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt



(122212041) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 09:20 PM

01.Name:Daniel Cohen
02.Organization:Maccabee Seed Company
03.Email:daniel.b.cohen@me.com
04.Phone:530.753-4974
05.Type:technology
06.Briefdesc:Lipophilic polymer sponges in place of booms, for spread prevention and for oil removal.
07.Perfcriteria:Must be cheap, preferably reuseable and have a very high absorption capacity. Goal is to use the oil spill materials to form a lipid barrier, prevent dispersion, possibly to be "squeezed out" and remove oil/
08.Cost:Concept only. If concept worthwhile, polymer companies should be contacted. Technology is more developed for drug delivery and detergent technology, not for mass production of lipophilic sponge tubes.
09.Throughput:For removal -- no idea. For containment, a lipid barrier to lipid movement could be useful.
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

Sorbent ✓

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Submitting script: /cgi-bin/mail.cgi
Submitting host: c-67-161-191-130.hsd1.ca.comcast.net (67.161.191.130)
Browser: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10_4_11; en)
AppleWebKit/531.21.8 (KHTML, like Gecko) Version/4.0.4 Safari/531.21.10
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt

Product Rec.
not an Solvent list



(123082128) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/04/2010 08:21 AM

01.Name:Chester Tatum
02.Organization:Retired
03.Email:cheart777@att.net
04.Phone:229 336-8863
05.Type:technology
06.Briefdesc:Drop "Oil Dry," from helicopters/C-130's in the crude oil, which would solidify, and float making the clean-up much eaiser, and protect wildlife, shellfish, etc. Including the beaches/fishing/and tourism. This would save billions of dollars.
I live in Camilla, GA, and we have a "Oil Dry" plant about 15 miles from here, and I am sure that there are many more around the nation. It is a mining, and processing industry. Please test this idea, as I believe it would lesson the problem greatly.
God bless, and I pray for the best to save so much.
07.Perfcriteria:By ~~solidifying~~ the crude oil, it would be much eaiser to handle, and cost much less in the ~~clean up effort~~, and save the wildlife, fishing/tourist industries, by saving the beaches.
08.Cost:Neglishable considering in present impending loss in the fishing and tourist industry. And the clean-up would be weeks instead of a year or more, and leave barely no residue!
09.Throughput:To save much of the Guld Coast.
10.fieldtested:no
11.Fieldtestingdesc:Oil dry is used over decades to solidify oil spills in service stations for easy, and quick clean-up.
button:Send

Sorbent ✓

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Not the right work

This information is for tracking purposes only.

Submitting script: /cgi-bin/mail.cgi

Submitting host: adsl-74-13-27.abn.bellsouth.net (98.74.13.27)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET CLR 1.1.4322)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt



(127062330) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
: Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/08/2010 06:23 AM

*Surface water
subject*

*Generico
Hay*

01.Name:Joyce Anderson
02.Organization:Homemaker
03.Email:jca27669@swbell.net
04.Phone:8028683451
05.Type:technology, process
06.Briefdesc:...the simple use of hay or straw spread on the oil spill...oil
will cling to it ...it could be scouped up later in nets and burned later as
fuel...we have plenty of hay to try this...
07.Perfcriteria:...oil cleanup!
08.Cost:...don't know...but worh a try...what will the cost be if we don't act
quickly...
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:...I can forward a video to youthat was sent to
me...please send me a response...Thankyou, Joyce
button:Send

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terms.

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Submitting script: /cgi-bin/mail.cgi

Submitting host: pool-70-109-166-181.cncdnh.east.myfairpoint.net
(70.109.166.181)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.1; WOW64;
Trident/4.0; SLCC2; .NET CLR 2.0.50727; .NET CLR 3.5.30729; .NET CLR
3.0.30729; Media Center PC 6.0; MDDC)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(126033930) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/07/2010 03:39 AM

Send
Sorbent
listing
Info

01.Name:Danny Lamonte
02.Organization:Gomez Pine Straw
03.Email:lamont96923@aol.com
04.Phone:985-630-4703
05.Type:process
06.Briefdesc:Gomez Pine Straw
P.O. Box 1125
Mandeville, La. 70470
Ph (985) 264-3567
Fax (985) 626-1404
E-mail:gomezpinestraw@yahoo.com
Web-Site: www.gomezpinestrawllc.com

SUN
Sorbent

Attention: Purchasing Department

Ref: Gulf of Mexico Oil Spill
Clean Up Operations

I would like to introduce our company to you. We have been in the pine straw business for the last thirteen years with a reputation of representing a quality product with an unmatched record of reliable, on time delivery. Gomez Pine Straw is a Louisiana minority owned and operated small business. Our products include various types of straw. We realize that due to the enormous size of the oil spill, all available resources will be necessary to contain and ensure a speedy, environmentally safe clean up and restoration of our coastlines and waterways. We at Gomez Pine Straw are available for immediate delivery and installation if needed of an unlimited supply of straw to enhance this cleanup effort. Our product can be drop shipped to any land based facility or containerized for loading on barges for transfer to any beaches, islands, marshes or waterways.

We feel that the ideal product would be our pine straw bale which measures approximately 14" x 16" x 27" in size and weighs about twenty pounds. This size can be handled easily by anyone in the field at the rate of two bales at a time. Working conditions in the Southern Gulf Coast Marshes hamper the use of larger, heavier bales in the field. The bales can simply be attached to each other creating an unlimited length to accommodate any size line of defense. More importantly, the bales can easily be opened and spread three inches thick covering approximately forty Square feet to block and absorb where other oil booms and barriers cannot be utilized forming not only a secure barrier but also an excellent absorbent of oil products.

Please review the attachment or visit our Web Site which details all the environmental benefits of using our product. We are available twenty four hours a day, seven days a week and can also be reached by cell phone number (985) 264-3567 or via email, gomezpinestraw@yahoo.com. We look forward in assisting in the clean up of this devastating disaster.

Sincerely;

George Gomez

Why Pine straw?

Its Nature's Perfect Ground cover.

If you're looking for a superior bedding material for your trees and plants consider Pine Straw. It is a natural product, high in nitrogen, that decomposes and makes a great fertilizer for plants and shrubs. A Pine Straw covering adds beauty to your landscape while deterring weeds. It is insect and rodent free, adheres well to slopes and will not wash away during heavy rain. Pine Straw is ecology-minded and easy to work with. It does not have to be removed simply place fresh straw on top of existing straw to revitalize the color.

Pine Straw is widely used by Landscapers, Nurseries, Golf Courses, Municipalities, Parks, and Home Owners. Pine Straw's popularity continues to grow, the word is spreading that it is easy to use, has beautiful color and makes a great fertilizer. It is easy to see why pine straw has become such a sought after product for the finishing touch on landscape jobs. Pine straw keeps sprawling vegetables such as squash, melons, and strawberries from forming mildew, mold, or developing rot.

According to statistics, there are many reasons for using pine straw as a mulch. It enhances the beauty of any landscape by providing a cover of uniform color that is neutral and non-detracting to plants. Pine straw conserves soil moisture by reducing water evaporation from the soil. Weed and grass problems are fewer when the straw is applied deep enough to smother unwanted plants and prevent undesirable seed germination. Because pine needles interlock, it keeps wind and rain from washing or blowing away the topsoil. Soil crusting problems are prevented, and moisture is able to reach the roots of plants. It also insulates the soil.

Unlike other dry organic mulches such as pine bark, leaves, grass clippings, and peat moss, pine straw helps provide favorable growing conditions and stimulates healthy plant development because it:

Insulates tender roots from temperature extremes keeping the soil warm during cold spells and cool during warm spells.

Conserves soil moisture by reducing water evaporation rates and moisture loss.

Encourages water infiltration into the soil and reduces runoff.

Eliminates erosion caused by wind and rain-splash impact.

Protects against soil compaction by reducing the rain impact directly on the surface.

Aids in promoting favorable soil tilth for healthy root growth.

07.Perfcriteria:

08.Cost:

09.Throughput:

11.Fieldtestingdesc:

button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: cache-dtc-ad14.proxy.aol.com (205.188.116.208)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; AOL 9.5; AOLBuild 4337.155;

Windows NT 5.1; GTB6.3; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR

3.0.04506.30; .NET CLR 3.0.04506.648; InfoPath.1; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(127031848) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

Process

Send
dist.ing
Info

Surface water
vacuuming
Dabunt

05/08/2010 03:18 AM

01.Name:Richard Bradshaw
02.Organization:A.R.A.N Enterprises LTD
03.Email:richmil@hotmail.com
04.Phone:435-387-5122
05.Type:technology, process, system
06.Briefdesc:Use popped Perlite 1/16" and down,using a blower with a hose an open nozzle, spray on the surface of the oil. Upon contact the oil will attach itself to the perlite and continue to float.Using net to encircle the impregnated oil, you can vacucum it from the sea and into any kind of oil holding ship or barg. Once you have it load you will be able to use heat to get the perlite to release the oil and you can use it again
07.Perfcriteria:Totally envirmntally save. Perlite is a natural element and when popped at high tempatures it is free of all contminants totally sterilized. The only problem one might have is the slight abrasion it might cause to the vacuumum
08.Cost:The bulk of the money needed would be used for boat or barg rental, nets big enough to encircle at least a five acres at a time, a big enough blower with an implare to spray the perlite up to one hundred feet.Another barg with a large enough vacuumum to suck up to 100 barrels an hour, or until loaded. This would then be taken ashore and processed enough to release the oil and retrieve the perlite to be use again.I'm not a finacial wiz are anything but I would feel confident that 10M would probably do the job with cooperation with some refineys and reasonable boat rentals
09.Throughput:Its hard to set an exact amount on this without having a first hand look at the whole mess.
10.fieldtested:yes
11.Fieldtestingdesc:We have tried this on a small scale and it works great. The perlite is lite enough to float on the water and oil is automatically attracted to it, and oil klings to it. Therefore it is easily trapped and can be held.

Contact me for further assistance, you have my phone # 435-387-5122 and my e-mail (richmil@hotmail.com
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: sciop-ip100.scinternet.net (72.12.250.100)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; Trident/4.0;
MSDigitalLocker; GTB6.4; .NET CLR 1.0.3705; .NET CLR 1.1.4322; Media Center PC
4.0; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; MSN
Optimized;US)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt

Submission Detail Report

Other ID:	2542
Submission ID:	2541
Name:	William R. MacArthur
Address:	2230 Ayreshire Drive
City:	Lansdale
State:	PA
ZIP Code:	19446
Phone:	610 513 9324
Email:	
Name Brand Trademark:	
Manf. Name:	
Manf. Address:	
Manf. City:	
Manf. State:	
Manf. ZIP Code:	
Manf. Phone:	
Dist. Name:	
Dist. Address:	
Dist. City:	
Dist. State:	
Dist. ZIP Code:	
Dist. Phone:	
Describe Product:	<p>This is not a product as such. It is an suggestion to investigate use of two common compounds so I did not use the dispersant link.
I would like to suggest that the EPA labs or known suppliers investigate using a mixture of ethanol from grain fermentation and glycerol from bio-diesel production as a substitute for Corexit. It should be possible to investigate the effectiveness of such a mixture quickly since the environmental impacts of the components should be well known. Exposure by workers such as the recent reports of boat crew exposure to Corexit would instead be a well known exposure to ethanol which everyone is comfortable with. Both chemicals should be available in large quantities and it would be nice to see crop product chemicals used in this application that necessarily disperses them into the environment.</p>
Maturity of Tech:	<p>I have not investigated the effectiveness of such mixtures, however, these components are somewhat similar to the components of Corexit. This mixture would</p>



(132191325) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
theKogs2

05/13/2010 07:13 PM

Technology

01.Name:Bradley D Fordyce
02.Organization:individual/inventor
03.Email:4diceinlasvegas@gmail.com
04.Phone:702-497-8304

05.Type:technology, process, system

06.Briefdesc:Large conveyor belts mounted on front of large barges, scooping up clumps of oil that is clinging to (preplaced) natural material such as hay, straw, wood chips, saw dust, corn stalks, etc. This material could be obtained for free from concerned citizens, entities and companies.

07.Perfcriteria:I sent a message similar to this one but did not have room to elaborate. I have the system all worked out... how to stabilize the oil while on the water, how to scoop it up out of the water and how to load and distribute it within the barge. Aside from the towboat crew, the unit would need no more than four people to operate it. I believe a unit designed to my specifications could fill a large barge in a couple of hours. Due to the size of the oil slick, I foresee the need for about ten (10) of these conveyor belt systems which can be removed from a full barge and transferred to a empty barge in just a few minutes so there would be a quick turn around time.

If I'm put in charge of this task, I'll get the job done and I'll get the job done right.

08.Cost:With all humility I say...I don't know what it will cost but to tell the truth, there is no better, cheaper or a more SURE WAY to clean up the oil spill than my design concept.

09.Throughput:Sorry for using this area to elaborate but it's necessary. What I need right now is to be contacted so I may more clearly explain my vision and concept to achieve this very necessary goal.

10.fieldtested:yes

11.Fieldtestingdesc:The oil will stick to the straw, hay, wood chips, saw dust, corn stalks, etc. just as easily as it sticks to pelicans feathers, sea turtles shells and hulls of ships.

button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: 209-212-35-148.brainerd.net (209.212.35.148)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.0; Trident/4.0;

*hacker
Skimmer
Solvent*



(132215250) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
thekogs2

05/13/2010 09:52 PM

01.Name: Jorge Velez
02.Organization: Restauraciones Absorbentes
03.Email: velite@prodigy.net.mx
04.Phone: 52-(444) 817-37-78
05.Type: technology
06.Briefdesc: Velite is an absorbent of hydrocarbons and oils, 100% organic which absorbs, retains and degrades oils and hydrocarbons in rigid soils, land or water bodies. When used on land, the mixture of Velite and oil becomes an excellent fertilizer, allowing the local flora to grow back with a magnificent growth and development. When used in water, the mixture of Velite and oil, need not be removed, as it makes excellent food for wildlife and marine microfauna, which makes it a life insurance for all living beings who otherwise could be seriously harmed.

07.Perforcriteria: Velite eliminates any extra cost. Just apply it in a ratio of 1kg. of Velite product per 4 liters. of hydrocarbon or spilled oil, insurance for the fauna and flora of the ecosystem is being implemented, and the costs of removal and disposal are eliminated. Absorbs, retains and degrades.

08.Cost: Cost: \$2.00 per kilogram

09.Throughput: Mexico's port.

10.fieldtested: yes

11.Fieldtestingdesc: Its listed on the NCP Product Schedule of the EPA, B-55. Patented in U.S.A. and MEXICO. Has been used for companies around the world in Mexico (PEMEX), and Brazil.

button: Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: (189.200.71.26)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.0; WOW64; GTB6.4;

SLCC1; .NET CLR 2.0.50727; Media Center PC 5.0; InfoPath.2; .NET CLR

3.5.30729; .NET CLR 3.0.30618)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt

Water
- absorbent
- Insta
- Not good idea



(130005514) Oil Spill Technology Solution

Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
theKogs2

05/11/2010 12:55 AM

water
Chemical
additives
containment

01.Name: Mary Santelmann
02.Organization: Oregon State University
03.Email: santelmm@onid.orst.edu
04.Phone: 541-737-1215
05.Type: process
06.Briefdesc: It might be feasible to use a chemical reaction (add a substrate and/or catalyst to the oil in the ocean along the margin of the slick that would react with the oil itself) to generate a containment curtain at the margin of the oil slick. If one could design a chemical reaction that created a hardened polymer such as polyethylene from the oil itself at the oil/water interface, that would mean less time and effort expended in hauling such materials in from other places. It might also be faster to put in place and better at containing the oil. I do not have a specific process in mind, but perhaps some of the companies who specialize in facilitating polymerization reactions and plastics production might have some ideas.
07.Perfcriteria: Proportion of oil spill contained and kept from contaminating shore/ marine habitat
08.Cost:
09.Throughput:
10.fieldtested: no
11.Fieldtestingdesc:
button: Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: c-98-232-238-1.hsd1.or.comcast.net (98.232.238.1)
Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.2.3) Gecko/20100401 Firefox/3.6.3 (.NET CLR 3.5.30729)
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(136140035) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
theKogs2

05/17/2010 02:00 PM

General

01.Name:frank barone
02.Organization:
03.Email:fvbarone@hotmail.com
04.Phone:608-233-6954
05.Type:process
06.Briefdesc:Hi, A suggestion for mitigating the destruction caused by the current oil spill in the Gulf. Not sure if you or others have thought of or tried this historically. Just as there are these yellow and orange inflatable booms/floating barriers (which aren't working right now), perhaps create an additional barrier or connected barrier of materials that could absorb a good deal of the oil close to the surface- rather than have all the oil reach the sands and wetlands, etc. Perhaps creating a barrier of straw bales, hay bales, bundled woodchips, etc. Or even old clothes and rags - Good Will and St. Vincent's etc. get tons of clothes they can't use and toss. I've seen dumpsters full of these. Something like this. Then these kinds of absorption barriers could be more easily collected and destroyed than loose oil going everywhere along the coast and to inland waterways. If this idea isn't sound in itself, perhaps it could spark another better idea. Good luck. Frank Barone Madison, Wis
consin 608-233-6954 fvbarone@hotmail.com
07.Perfcriteria:
08.Cost:
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: ool-4575fb04.dyn.optonline.net (69.117.251.4)
Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; GTB6.3)
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(136134710) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
theKogs2

05/17/2010 01:47 PM

*Generic
flow*

01.Name:Amanda Krupa
02.Organization:Jupiter Creek Research
03.Email:amandakrupa.jcr@gmail.com
04.Phone:561-704-4783
05.Type:process, system
06.Briefdesc:Cleanup process: see this demo on straw as an adsorbent at
<http://www.wimp.com/solutionoil/>
low tech, could be widely used.
07.Perfcriteria:unknown
08.Cost:unknown
09.Throughput:
11.Fieldtestingdesc:unknown
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: 99-10-187-124.lightspeed.wepbfl.sbcglobal.net (99.10.187.124)
Browser: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10_6_3; en-us)
AppleWebKit/531.22.7 (KHTML, like Gecko) Version/4.0.5 Safari/531.22.7
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt



(136105414) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
theKogs2

05/17/2010 10:54 AM

Hair

01.Name:Syed Mustaq Kader
02.Organization:
03.Email:mustaq@mask-site.com
04.Phone:703 501 7111
05.Type:technology, process
06.Briefdesc:Recently I got little involved after the watching in the TV the recent spill of Oil in the GULF of Mexico water.
I had been keeping in touch with the news of spill cleaning and saw in an article at the BBC website, that there are certain boom developed with human hair and furs to absorb the oil or to clean the oil.

This suddenly struck my mind and made me think how difficult will it be to acquire/collect all these hairs and furs and then storing and shipping etc.

Thus I have tried to put a Natural Fiber in the place of Hair and found good results in comparison. This Fiber is produced and packed in an industrial manner and can be also shipped in bulk.

If I get support from the EPA, we may be able to provide you with his fiber to test the results very fast and use it in the recent catastrophe the environment is facing.

For your information the Fiber is Natural, environmentally friendly and also biodegradable.

I look forward in hearing from you.

07.Perfcriteria:The fiber can be shipped in Bulk as mentioned above
08.Cost:Price will be comparatively cheaper than Hair or Fur ----
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:I have tested this as per BBC article in their website, putting it in stockings and then found the oil absorbing power is similar to the one by the hair.
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: c-68-50-169-78.hsd1.dc.comcast.net (68.50.169.78)
Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.2.3)
Gecko/20100401 Firefox/3.6.3
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt



(136093606) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
theKogs2

05/17/2010 09:36 AM

Generic

01.Name:Martin Borner
02.Organization:Poderco S.A.
03.Email:mimosa@mimosa.co.cr
04.Phone:506 2494=5868
05.Type:technology, process, system
06.Briefdesc:Energized calcium powder disperses oil and cleanses birds As it is ORGANIC it can be used in ECO sensitive areas
07.Perfcriteria:Contaminants are treated and neutralized.The same producer has many products for agriculture and waste treatment. All are on the approved list for organic agriculture of Europe. To save time it is best to send a German speaking scientist to Europe with a gallon of oil and test it at the factory. I will introduce you. I have been working with the producers since 20 years.
I am a Canadian of German origin retired in Costa Rica. Among other things I was a founding member of the Canadian German Chamber of Commerce.
08.Cost:Very affordable,
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:It has cleaned up oil spills in lakes and oily birds in Europe.
button:Send

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Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0;

FunWebProducts; GTB6.3; .NET CLR 1.1.4322)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt



(136090345) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
theKogs2

05/17/2010 09:03 AM

*Generic
Nets
underwater*

01.Name:Kerry Ingold
02.Organization:n/a
03.Email:kerryingold120@msn.com
04.Phone:412-276-3531
05.Type:technology, process
06.Briefdesc:For the submerged plumes of oil, why not use deepwater nets made
of absorbant fibers to troll for the oil like you would troll for shrimp? The
nets could then be burned in high temperature incinerators to minimize the VOC
emmissions. This may also catch a larger volume of the solids as well.
07.Perfcriteria:Tare weight of nets (wet) versus weight with oil and solids to
determine amount removed.
08.Cost:No idea.
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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(compatible; MSIE 6.0; Windows NT 5.1; SV1) ; .NET CLR 1.1.4322; .NET CLR
2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.04506.648; .NET CLR 3.5.21022)
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TSSMS: emergenc
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(136125427) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
theKogs2

05/17/2010 12:54 PM

Not
Good Sorbent
Tires Sink
We have
Kjackets
this
tech
made
of
oil

01.Name:Joseph Forrington

02.Organization:

03.Email:captcass@captcass.com

04.Phone:707-357-1585

05.Type:process

06.Briefdesc:Think coagulation instead of dispersion. There is a company promoting using ground tires to soak up the oil. It is extremely absorbent with oil, but not water. It should also float. Finely coat the tire particulates with a magnetized iron dust and the oil will be soaked up and should coagulate on the surface so it can be towed (in one way or another) to a refinery so the whole mess can be refined and salvaged.

For the underwater plumes, pump the material below the plume so it floats up through the oil, absorbing it as it goes.

Another idea.

Capt. J. H. (Cass) Forrington
USMM retired

07.Perfcriteria:

08.Cost:

09.Throughput:

10.fieldtested:no

11.Fieldtestingdesc:

button:Send

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Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.2.3)

Gecko/20100401 Firefox/3.6.3

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TSSMS: emergenc

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(135120930) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o t Jeffrey Levy, Minerva Rojo, Adrea
: Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
theKogs2

05/16/2010 12:09 PM

*Water
sorbent*

*"Genius"
Popcorn*

01.Name:John Walker
02.Organization:
03.Email:walkertexasranch@gmail.com
04.Phone:936 645-5224
05.Type:technology
06.Briefdesc:POPCORN: Described below is a solution of using this environmentally safe product as an 'oil sweep' for assisting in the recovery of crude oil contaminants on the surface of the Gulf of Mexico. This letter was emailed to the US Coast Guard on 16 May, 2010.

TEXT:

I am very concerned about the use of dispersant being used in attempt to mitigate this disaster. These chemicals cause much more harm than good in that they cause much of the crude to submerge to all levels of the marine ecosystem, killing untold millions of fish, crustaceans, and other marine life. It goes against the grain of common sense to try to sink a substance like crude oil which has a lower specific gravity than sea water, in order to mitigate the effects of such a disaster. We should be working with the physical properties of the substance we are trying to clean up, not against it.

A far simpler and cost-effective approach would be to use POPCORN!

Fishing vessels, USCG cutters, and oil field tenders being used in the clean-up effort could be equipped with large heating units to take the raw grain product and cook the popcorn while en route to their dispersal sites. The oil will tend to naturally adhere to the masses of the popcorn floating on the surface, thereby making it easier for boom-equipped ships to sweep the floating rafts of crude-corn mix into tankers standing by.

By processing the popcorn on-board, hundreds of tons of raw material could be hauled on each vessel, cutting down on the hold volumes needed for each ship to transport an effective amount of this 'oil-sweeping' material.

Wherever possible, facilities could be set up in Venice, LA and elsewhere to process and distribute ready-made popcorn to those boats not equipped to cook the grain at sea. Corn is relatively cheap and available in large stocks throughout the Midwestern US.

As a former mining engineer, I tried to follow the KISS principal (Keep It Simple Stupid), when faced with difficult problems or design situations. I hope my comments here will be of assistance in this massive cleanup effort.

Sincerely Yours,

John Walker

807 CR 3

Douglass, TX 75943

07.Perfcriteria:Popcorn, by itself or treated with a low density surfactant such as paraffin (wax) will maintain positive buoyancy upon dispersal on concentrated areas of crude oil contamination on marine waters, and could

perform as a means of congealing these pollutants into large rafts, or patches which could be readily 'swept' by recovery vessels and pumped into tankers serving in cleanup effort

08.Cost:I don't have the data at hand, other than popcorn is one of the cheaper staples in the US diet.

Raw dry corn is available in large stockpiles throughout the US, and would be cheaper in cost per ton than most other dry alternatives (ie sawdust or hay), and would perform better as an 'oil sweep'

09.Throughput:

10.fieldtested:no

11.Fieldtestingdesc:Proposal as described is environmentally safe, as it does not sink the contaminants into subsurface zones, thereby spreading toxicity to sea life otherwise minimally impacted. 1

Suggest that field testing begin immediately. Purchase, say 10,000 tons of raw corn stock in 50# sacks. Product could be prepared at port or at sea. Ships would be provided with large ovens to ensure continuous manufacture of the popcorn en route to affected area and during application, thereby saving cargo space. Smaller vessels could pick up finished product made on-shore (ie. Venice, LA), to disperse in designated areas.

button:Send

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Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.1.9)

Gecko/20100315 Firefox/3.5.9 (.NET CLR 3.5.30729)

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TSSMS: emergenc

Mail to File: bpspilltech.txt



(134223319) Oil Spill Technology Solution

Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin,
thekogs2

05/15/2010 10:33 PM

01.Name: John L. Smith
02.Organization: None. Retired Professor
03.Email: jsmithpoet@aol.com
04.Phone: 856-234-9227
05.Type: technology, process, system
06.Briefdesc:

The following is a serious suggestion for tackling the oil-spill problem.

Chemical Grouting (not to be confused with grouting bathroom tiles) The in-situ mixing of two aqueous or organic based solutions (one of which contains a time-catalyst) to form an insoluble organic or inorganic product which shuts-off liquid flows. Terranier (Product of Rayonier Inc, Shelton, Washington State) is one system. A polyphenolic extract from the bark of trees mixed with formaldehyde and potassium dichromate (catalyst) to form an aqueous gel similar to Bakelite (an original non-aqueous plastic used for old telephones and radios) I had great success in international market development with this system in cutting off water leakages and stabilizing quick-sand up to 70 tons/square foot loading. Such as in a large hydroelectric dam (Manic 5) and a large suspension bridge (Pierre La Pointe) in Quebec Province. in the late 1960's. Another system is SIROC - Diamond Alkali Inc. (Sodium Silicate and Calcium Chloride to give insoluble calcium silicate) Another system. AM-9 - product of American Cyanamide Inc. I had no experience with the latter two systems. While I have had no experience with Terranier in shutting-off oil, I was always pleased with results in similar situations. Ince then I have taught economics for thirty-seven years

Schematic available if requested. Suggest that insertion pipe for chemical grout mixture be welded inside a pneumatic wheel barrow wheel, that will just fit inside the egressing drill-pipe so that when the tire is inflated, it grips the inside of the egressing drill pipe, diverting the oil through the welded grout injection pipe (1" diameter) Then the grouting mixture is injected, through a "Y" shaped pipe-array, one solution at a time into a mesh (panty-hose type) entering the drill pipe first and loosely filled with either fibre-glass, gold balls or steel nuts to give the grout bulk and anchoring) so that the solidifying grout forms sausage-like links which is jammed against the oil/methane gas (interior side of the wheel-barrow wheel) thus gradually building up a plug of grout and shutting off the oil/methane flow.

07.Perforiteria: Having retired I am offering my expertise, advice and energy pro-bono to help my adopting country; the United States. As an ex-Brit I feel it incumbent upon me to offer this serious suggestion. I own a few shares of Exxon stock, none of B.P of which I am aware. While working in International Market Development some forty years ago, I fixed a leaking tunnel in North East MA. that wept and froze and was ice blocked in the winter. One day's work allowed the tunnel to be dried-up and then shot-creted and be accessible all winter long. I have trained many applicators in the field throughout the United States, Canada and Europe.

08.Cost: Low hundred to thousands of dollars for chemicals. Barge, hoses, to to three small pumps, one small pneumatic tire wheel-barrow wheel to plug drill pipe. Steel band to brace outside of drill pipe to off-set outward pressure of plug. Fast-setting concrete to shot-crete the drill pipe upon being plugged.

09.Throughput: Equipment two small pumps to overcome sea-bed pressure. Two

*Water
poly
chemical
for deep set injection?*

hoses to reach sea-bed. Garden or fire hose diameters. Remote controlled check valves, piping, surface barge, several 55 gallon tanks, safety equipment for operators. Latest product information from grout manufacturers.

10.fieldtested:no

11.Fieldtestingdesc:Not in this particular application. Application in U.S. Canada and Europe suggests high chance of success. I have a M.A. in Chemistry from Dartmouth College and MBA from Fairleigh Dickinson University.

button:Send

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Trident/4.0)

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TSSMS: emergenc

Mail to File: bpspilltech.txt



(134224045) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
theKogs2

05/15/2010 10:40 PM

Generic

*Water
Spill*

01.Name:Alan Terry
02.Organization:Seago Lumber
03.Email:Alan.Terry@mac.com
04.Phone:601-395-6446
05.Type:technology, process
06.Briefdesc:oil collection material,
Pine shavings from sawmill, available bulk, truck loads, dispersed at oil spill
sites, absorbs oil, allows oil to be collected
Seago Cleans Up Oil Spill With Pine Shavings on youtube
<https://webmail.east.cox.net/do/redirect?url=http%253A%252F%252Fwww.youtube.com%252Fwatch%253Fv%253DYBItPaPqULg%2526feature%253Demail>
07.Perfcriteria:Seago Cleans Up Oil Spill With Pine Shavings on youtube
08.Cost:inexpensive
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:Seago Cleans Up Oil Spill With Pine Shavings on youtube
<https://webmail.east.cox.net/do/redirect?url=http%253A%252F%252Fwww.youtube.com%252Fwatch%253Fv%253DYBItPaPqULg%2526feature%253Demail>
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TSSMS: emergenc
Mail to File: bpspilltech.txt



(133211701) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin
theKogs2

05/14/2010 09:17 PM

*Generic
* This may
work
on
shoreline*

*Water
sorber*

01.Name:William K Scruggs
02.Organization:Technical Enterprises US, Inc
03.Email:williams@nwfl.net
04.Phone:63027280319
05.Type:technology, process
06.Briefdesc:Posted to MSNBC, NEWVINE via TWITTER on May 15, 2010

We have the horse before the cart on the Gulf Oil Spill, blame and damages can be settled later. First and far most of importance is to stop the oil from reaching the beaches and wetlands. If this is not done it will be decades before these areas will recover. The floating glob(s) of crude should be the target and focus of everyone at this time.

I am Technical Director of a very small Company in Gulf Breeze, Florida. We are in the bio-remediation of wastes including petroleum based products. I have come up with what I have Labeled "Billy Brain Buster" methodology for handling the monster of an Oil Spill.

As is well know in addition to the environmental disaster the US also has another huge problem in the environmental area of methane gas emission from Consolidated Feed Lots and Dairy's around the country. Another universal problem throughout the southern region of the US is a supply of over produced hay sitting in fields rotting away. That's the background and how the silver lining for this very black cloud of oil.

An economical, environmental friendly and simplicity of application is a solution worth considering. The solution is to use the hay as an absorbent barrier (it will float) which the oil will naturally attach to. There are many designs of barriers that can be used. Addition the floating mass of oil can be attracted with barge loads of hay and blown across the mass with normal seeding blowers. Oil impregnated hay can be collected with skimmers or fishing/shrimp boats with nets and barge loaded and taken to a selected site, a very large flat concreted area such as Brookley Field, Mobile AL or one of the Closed air fields at Eglin AFB. Parallel action would be loading and trucking the methane producing cow pooh to the same location where the two can be mixed and moisture added with an enzymatic acceleration product the will compost the hay, oil and cow pooh into an organically rich, odorless, oil free and pooh free compost for enriching land or use as potting soil, etc. Costing o

f this project, CFL operators could be given carbon credit for their pooh, hay farmers paid a % of the normal selling price for their old hay, operational cost are mainly transportation, spreading and collect of the hay and mixing and turning of the compost. Costing of the enzymatic product is approximately \$275-359 per gallon and it is diluted by a factor of 1:3000 to 1:6000 with water. In approximately 30 to 40 days after mixing the problem is gone, no chemical waste hazards, no air pollution from burning and no 507 billion dollar price tag such as the Valdez. The hay or straw method has been used around the world for years, Spain and the Philippines are the latest in my memory.

If this is of interest to anyone, contact me Bill Scruggs, williams@nwfl.net,

63-939-266-2038 or 63-02-728-0319 or 850-232-8638 (John Schor).
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of the Republic of the Philippines. Use of without express written permission
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07.Perfcriteria:Eliminations of Oil and Cow Pooh through composting
08.Cost:Total cost is an unknown because the oil is still flowing, Cow pooh,
carbon credits plus transport, old hay reduced pricing, oil/hay from the gulf,
transpotation cost to compsting site, enzymatic product to make 4,000 gallons
of spray for composting \$350 per 4,000 gallons, estimated to treat 50 cubic
yards of compost.
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:Composting has been used throughout the world for hundreds
of years, enzymaticly accelarated composting has been used for a number of
years in Costa Rica, China and Vietnam. Reduction in time requirement are 30%
to 50%. As long as the materials are organic they can be composted.
button:Send

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GTB6.4; SLCC1; .NET CLR 2.0.50727; Media Center PC 5.0; .NET CLR 3.5.30729;
.NET CLR 3.0.30729; InfoPath.1)
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(136090345) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
: thekogs2

05/17/2010 09:03 AM

Nets

01.Name:Kerry Ingold
02.Organization:n/a
03.Email:kerryingold120@msn.com
04.Phone:412-276-3531
05.Type:technology, process
06.Briefdesc:For the submerged plumes of oil, why not use deepwater nets made of absorbant fibers to troll for the oil like you would troll for shrimp? The nets could then be burned in high temperature incinerators to minimize the VOC emmissions. This may also catch a larger volume of the solids as well.
07.Perfcriteria:Tare weight of nets (wet) versus weight with oil and solids to determine amount removed.
08.Cost:No idea.
09.Throughput:
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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TSSMS: emergenc

Mail to File: bpspilltech.txt



(133141349) Oil Spill Technology Solution

Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
idaemon.rtpnc.epa.gov o Morrison, Lara Autry, Eric Koglin,
theKogs2

05/14/2010 02:13 PM

Hay ✓ OK
Water
ombaut

01.Name:Christienah Robertson
02.Organization:Concerned Citizens
03.Email:christienah@gmail.com
04.Phone:8326558225
05.Type:process
06.Briefdesc:We want to release hay off the Texas coast border so that it
sweeps toward the coast of Louisiana and the spill itself.
07.Perfcriteria:Oil attaches to hay and makes clean up easier and less
damaging or costly.
08.Cost:Unknown
09.Throughput:My friends and I are gathering hay. We can release it but dont
want any trouble doing it. Maybe a suggestion for where to release it for best
effects would be nice and advice. We will make sure its treated for fire ants.
We need your response asap. Thank you.
10.fieldtested:yes
11.Fieldtestingdesc:Florida is already spreading out hay.
button:Send

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Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.0; WOW64;
Trident/4.0; GTB6.4; SLCC1; .NET CLR 2.0.50727; Media Center PC 5.0; .NET CLR
3.0.30618; .NET CLR 3.5.30729)
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(133161131) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o Jeffrey Levy, Minerva Rojo, Adrea
Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin
thekogs2

05/14/2010 04:11 PM

~~land/water
dispersion
remediation~~

- 01.Name:Carlos Fernandez
- 02.Organization:PDP DEvelopment & Services, L.L.C.
- 03.Email:cfernandez.earthquest@gmail.com
- 04.Phone:832.306.3466
- 05.Type:technology, process, system
- 06.Briefdesc:Scientific/Manufacturing/Process/Service companies collaborating for complete total remediation solutions by priority.. 1)seamless communication across all vertical efforts, 2)Promoting the Securing of Essential Efforts, 3)Formulation and Definition of their business Purpose; (must be understood by all contributors to this system of efforts for planned success!! There are four vertical areas for complete remediation based on areas to contain. Assessment of new contaminants produced not only by spill but surfactants and chemicals that are possible toxins! (We have to re-engineer the solutions for new pollutants and toxins that have been introduced into the Gulf in the last 2 weeks. Four areas of Focus... A)Inland remediation for containment B) Topwater remediation for isolation & skimming! No burning!! C) Deep water (1000ft-1500ft floor) tar and heavies extraction from floor. D) Enzymatic dispersion at Thermocline level to remediate the the flowing emulsion from pipe break to settlement at the 1000ft to 1500ft floor. FACILITATION - Establish Gulf Coast Mobile Command Communications center (Sat based for Basic Operational Observation); Located by Air transport/Waterway/on land Logistics facilities for manufacturing. TANK FARMS for continuous enzymatic production. OTHER ESSENTIAL SERVICES - Prioritized arterials from manufacturing to affected sites; Air transport solutions for disbursement; Waterway solutions for Storage transport, energy, pumping;; Logging, transporting essential labor, and food for continuous crew production; Amphibious vehicles for mainland dispersion - inland containment (250 to 500 gal amphibious sprayers); Barges, Tankers for shipping from site to production; Production Ships (w/heater treaters & 2 phase separators); Bunker Barges for off-loading to refineries. Mobile facilities to accomodate all other essential personnel.
- 07.Perfcriteria:Multiple Teams and Facilities for sampling points - for documentation, extraction, measuring, treating, contaminant reduction, reporting to proper authorities.
- 08.Cost:Initial for Entire Gulf Operation 1st 6 mo \$423M (depending if spillage continues in Gulf) \$324M for second 6 months for continued remediation if not complete. The total solution is also dependant on existing collaboration on government and BP services for seamless operations.
- 09.Throughput:Demand based throughput - Unlimited, "Nature Serving Nature" Continuous remediation operations for total success! As per above process and operation. Powerpoint to follow for descriptions of remediation processes.
- 10.fieldtested:yes
- 11.Fieldtestingdesc:Various US and International sites with specifics from those sources showing total remediation. Bioremediation of Water and soil by microbial destruction... Alkanes, Chlorinated Hydrocarbons, Aromatics and Polyaromatics, Ketones, Alcohols, Explosive Wastes, Pesticides, PAH, BOD, COD, TDS, TSS, TKN, & FOG's. Also waste water treatement is non pathnogenic to plants, animals, and sea life. End products of microbial metabolism are short chained fatty acids, CO2, and Water. Will send Remediation report upon request.



(122144140) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 02:41 PM

dispersant

01.Name:Ann Griffin
02.Organization:N/A
03.Email:msann2348@hotmail.com
04.Phone:502 423-8941
05.Type:process
06.Briefdesc:Dispersant using "Dawn" dish detergent in a concentrated form.
07.Perfcriteria:N/A
08.Cost:??
09.Throughput:
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: 74-129-98-108.dhcp.insightbb.com (74.129.98.108)
Browser: Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US; rv:1.9.2.3)
Gecko/20100401 Firefoxver:2.00195 996604803 GTB7.0
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(121080123) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

05/02/2010 08:01 AM

*Generated
N85 dup*

01.Name:Dr. Andr   Presse
02.Organization:Karlsruhe Institute of Technology
03.Email:andre.presse@kit.edu
04.Phone:+491636371576
05.Type:technology, process
06.Briefdesc:The bioremediation technology employs organic processes to
neutralise oil. The originally organic oil substances are being dissolved into
their original biomass properties.
07.Perfcriteria:Neutralisation of 93,6 per cent.
08.Cost:
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:
button:Send

*name?
Bio remediation*

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Submitting script: /cgi-bin/mail.cgi

Submitting host: ip-109-41-31-148.web.vodafone.de (109.41.31.148)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.0; SLCC1; .NET CLR 2.0.50727; .NET CLR 1.1.4322; InfoPath.2; .NET CLR 3.5.30729; .NET CLR 3.0.30618)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(119233220) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

04/30/2010 11:32 PM

Generic

*Surface water
bioremediation*

History: This message has been forwarded.

01.Name:Allannaa Lassevanta
02.Organization:none
03.Email:allannaa1@gmail.com
04.Phone:417-644-2389
05.Type:technology, process, system
06.Briefdesc:I cannot recall the name of the process or the bacteria involved but I DO recall reading the working briefs on a type of sponge impregnated with petroleum metabolising bacteria. This was used in the Middle East some time within the past 20 years. For gods sake, people! Look into it!
07.Perfcriteria:The brief I read stated that the encapsulated bacteria-filled sponges were deployed over the surface of the spill in question, and the sponge material itself helped absorb and contain the spill, in spite of chop and high winds. It worked, not perfectly but it did.
08.Cost:Cost is relative, and is a ridiculous consideration. We only have one planet; there is no other like it anywhere within the observable galaxy.
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:See above in the performance criteria.
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: h-166-164-80-124.ip.alltel.net (166.164.80.124)

Browser: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 2.0.50727)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(122144802) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 02:48 PM

bioremediation

N85 Genevieve

01.Name:Mark
02.Organization:Cummins
03.Email:mark@cafscsco.com
04.Phone:817 996 0950
05.Type:technology, process, system
06.Briefdesc:Debora Bradford,

Thank so much for your help and information, I will follow up ASAP!

I have some additional information that I hope will be useful.

This is a NAVY publication about the use of our foamed microbe bioremediation on huge fuel spills.

http://www.cafsinfo.com/CAFS_in_biological_warfare_and_bioremediation

Could you please pass along this information to the proper people?

Mark Cummins is certified as a Hazardous Materials Technician by the Texas A&M University.

He is using a Bioremediation technology that breaks down crude oil and turns it into fertilizer to protect the environment and the safety of our local citizens.

This system is highly portable and is in use with the local volunteer fire departments in the state of Texas.

From Mark Cummins;

I have a unit that I often carry in the back of my pickup truck which I use for training and for emergency oil remediation applications. The unit creates an environmentally friendly foam discharge that breaks up the oil into emulsified particles that can be ingested by specially cultured microbes provided by a reputable certified bioremediation manufacturer. The high pressure foam is necessary to break up the oil and to keep the proper living environment for the microbes, which consume the toxic products of the oil including the Benzene and other elements of BTEX in the crude oil. This system was tested and used by the Navy Dahlgren Research Division to develop the warfare agents neutralization application technology.

The units can be used by the Citizens Emergency Response Teams (CERTS) and other volunteer organizations to protect the sensitive areas threatened by the BP oil spill.

I am considering bringing my remediation foam unit to the Pensacola (or other) areas for demonstrations and training. If you would be interested in such a demonstration please give me a call or leave a message.

Respectfully,

Mark Cummins
Co-owner CAFSCO



(122172100) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 05:21 PM

01.Name:KIRK CRANKSHAW
02.Organization:INDEPENDENT
03.Email:CRANKAHOW81@AOL.COM
04.Phone:440-781-9358
05.Type:process
06.Briefdesc:OIL EATING MICROBES THAT BREAK DOWN HYDROCARBONS
07.Perfcriteria:BREAK DOWN HARMLESS INTO NATURAL GASES
08.Cost:UNKNOWN FOR SUCH A LARGE CLEANUP. POSS UP TO \$500,000,000
09.Throughput:EASY AERIAL APPLICATION
10.fieldtested:yes
11.Fieldtestingdesc:BREAK DOWN HYDROCARBONS TO CO2 AND H2O. MICROBES ARE
BIODEGRADABLE
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: (69.54.53.115)

Browser: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1) ; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt

Generic to
N85
SW

No name

Bio remediation

Conic Bio Rec
N85



(123020130) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison

03/04/2010 02:01 AM

SW
bioremediation

01.Name:Nori Muster
02.Organization:Earth Challenge
03.Email:email@norimuster.com
04.Phone:(480) 275-7889
05.Type:technology, process, system
06.Briefdesc:microbial dispersants
07.Perfcriteria:Use friendly bacteria to eat the oil, turning it into dust.
For further explanation, see my research posted online under "Organic Cures."
<http://norimuster.com/writing/organiccures.html>
These articles are relevant:
Treating the Oceans
Probiotics That Eat Carbon Waste, an Interview
Hair and Mushrooms

08.Cost:Cost is explained on the web page. The most important money-saver is
that this method has no side effects.
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:See article at the URL, "Probiotics That Eat Carbon Waste,
an Interview."
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: 174-26-82-45.phnx.qwest.net (174.26.82.45)
Browser: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10_5_8; en-us)
AppleWebKit/531.22.7 (KHTML, like Gecko) Version/4.0.5 Safari/531.22.7
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt



(128062349) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin,
theKogs2

05/09/2010 06:23 AM

General
Algae

water/land
bioremed?

01.Name:Vignati Antonio - Milano . Italy

02.Organization:

03.Email:vignatiantonio@libero.it

04.Phone:+39 3348151428

05.Type:system

06.Briefdesc:Algae usage.

I have seen only few practical report on pollution reduction with new technologies.

I hope you started to grow algae for this purpose; often i read : "Algal technology avoids chemicals and results in excellent sludge control.

The strength of this technology lies in the ability of micro algae to mitigate pollution in a more economical, eco-friendly and natural way. Algae are the most primitive photosynthetic organisms which can very easily adapt to any hostile conditions."

Only point is to select best algae; if not available have to start: I hope to have suggestions in this field.

07.Perfcriteria:Pollution reduction without chemicals. It is a long term solution. If not available, suitable algae expected time for process starting minimum 5 days.

08.Cost:Limited

09.Throughput:Polluted marine water

10.fieldtested:no

11.Fieldtestingdesc:Not by myself. However oil into saline water is similar to polluted water by organic matter; here a lot of experiences, even from NASA (available reports)

button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: (217.202.237.182)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET CLR 2.0.50727)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(121080123) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

05/02/2010 08:01 AM

*Generic Research -
spill cleanup rec*
*Surface water
Bioremediation*

01.Name:Dr. Andr   Presse
02.Organization:Karlsruhe Institute of Technology
03.Email:andre.presse@kit.edu
04.Phone:+491636371576
05.Type:technology, process
06.Briefdesc:The bioremediation technology employs organic processes to
neutralise oil. The originally organic oil substances are being dissolved into
their original biomass properties.
07.Perfcriteria:Neutralisation of 93,6 per cent.
08.Cost:
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: ip-109-41-31-148.web.vodafone.de (109.41.31.148)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.0; SLCC1; .NET CLR 2.0.50727; .NET CLR 1.1.4322; InfoPath.2; .NET CLR 3.5.30729; .NET CLR 3.0.30618)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt

Products on list? Cleanup Ideas
offering onsite
assistance



(121002750) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Aileen
o Mehl

05/02/2010 12:27 AM

History: This message has been forwarded.

Surf water
Ideas
BIO

01.Name:Alex Maginnis
02.Organization:AECOM
03.Email:alex.maginnis@aecom.com
04.Phone:5132713838
05.Type:technology
06.Briefdesc:I am an environmental engineer with AECOM, one of the largest international environmental consulting and response companies (cell 859-322-8052). My family is from your wonderful state and I really think I can help you with the oil spill. We need to get large quantities of oil-degrading bacteria and surfactants to break down the oil chemically and biologically simultaneously. I have some off-the-shelf products in mind in addition to naturally available bacteria populations isolated from the environment. I also have an idea for rapid dispersal and application of this remedy that will complement other conventional containment efforts already being used. I am ready and willing to help direct the cleanup of this catastrophic disaster. Please contact me immediately, I am ready to fly down to the impacted region immediately.
07.Perfcriteria:
08.Cost:
09.Throughput:
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: cpe-65-27-230-90.cinci.res.rr.com (65.27.230.90)
Browser: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.5; en-US; rv:1.9.1.8) Gecko/20100202 Firefox/3.5.8
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt



(126135344) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

Generic: Recd
05/07/2010 01:53 AM
water dispersant

01.Name:Nori Muster
02.Organization:
03.Email:email@norimuster.com
04.Phone:480-275-7889
05.Type:technology, process, system
06.Briefdesc:Please use natural dispersants and cleaners on the oil. We heard that they dumped more toxins into the Gulf. We purposely dump toxins in to fight toxins? It does not make sense.
07.Perfcriteria:Please use natural microbial dispersants because they will clean up the oil with no further pollution. See
<http://norimuster.com/writing/organiccures.html>
<http://www.biogreenclean.com/>
08.Cost:This will cost less because you want less toxins to clean up, not more.
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:See: <http://www.biogreenclean.com/>
<http://norimuster.com/writing/organiccures.html>
button:Send

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This information is for tracking purposes only.
Submitting script: /cgi-bin/mail.cgi
Submitting host: 174-26-94-210.phnx.qwest.net (174.26.94.210)
Browser: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10_5_8; en-us)
AppleWebKit/531.22.7 (KHTML, like Gecko) Version/4.0.5 Safari/531.22.7
Referred: <http://www.epa.gov/bpspill/techsolution.html>
TSSMS: emergenc
Mail to File: bpspilltech.txt

just recommendations



(126172050) Oil Spill Technology Solution

Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov to: Mehl, Reggie Washington, Kay
Morrison, Lara Autry, Eric Koglin

05/07/2010 05:20 PM

01.Name:DeWayne GoLightly
02.Organization:Social Worker
03.Email:revrap06@yahoo.com
04.Phone:2708364937
05.Type:process

06.Briefdesc:Use hugh wet vacs, like the one I use when my basement floods and suck up all the oil as it gathers on the ocean surface. I would have tankers lined up on behind another as the haul of one ship fills the next one moves into place, or have several ships sucking up the oil. Surely there is already equipment available that can do this as we speak. It's a no brainer.

NOS
2. Dawn dishwashing liquid works great on repeling oil and grease in a sink, I believe it would make a great buffer between the shore line and the oil. I have no idea if sudsy water is less hazardous than oily water. Just my thoughts.

07.Perfcriteria:

08.Cost:

09.Throughput:

11.Fieldtestingdesc:

button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: ldyddy1.ky.gov (162.114.40.33)

Browser: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.04506.648; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; InfoPath.2)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt

Generic: Dawn Detergent



(125091722) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/06/2010 09:17 AM

01.Name:Louise A Laukhuff
02.Organization:
03.Email:llaikhuff@state.pa.us
04.Phone:717-733-0695
05.Type:technology, process, system
06.Briefdesc:a dispersant, which will clean it up at the same time, in the form of Dawn dish liquid and seawater mixed. Dawn is biodegradable and contains no phosphates - and is highly effective on oil with a minimum of suds.
07.Perfcriteria:Dawn Dish Detergent, mixed with seawater, hosed broadly onto the oil slick by sea or by air - both are preferable.
08.Cost:I have no idea - Dawn might donate what you need as free advertizing or BP can pay for it.
09.Throughput:I have no idea what this category is.
10.fieldtested:yes
11.Fieldtestingdesc:On a minor scale - Dawn dish detergent effectively cleans oil laden birds and wildlife - it is biodegradable and contains no phosphates.
button:Send

SW
Dispersant

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Submitting script: /cgi-bin/mail.cgi

Submitting host: (164.156.231.55)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.04506.648; .NET CLR 3.5.21022; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)

Referred: <http://www.epa.gov/bpspill/techsolution.html>

TSSMS: emergenc

Mail to File: bpspilltech.txt



(120083259) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

05/01/2010 08:33 AM

History: This message has been forwarded.

01.Name:Michael Armer
02.Organization:self
03.Email:rgb442@yahoo.com
04.Phone:301-466-1987
05.Type:technology, process
06.Briefdesc:OIL DISPERSAL IDEAS : (1) Drop dispersant from forest fire tanker planes or crop dusters (2) Drop dispersant from large aircraft fuel tanks like jetisoning fuel prior to an emergency landin
07.Perfcriteria:Reduction in oil slick area as measured by satellite photo analysis
08.Cost:
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:Both methods are in standard use for dispersing large volumes of liquid from aircraft

AWACS planes could do air traffic control
button:Send

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Submitting script: /cgi-bin/mail.cgi

Submitting host: pool-71-126-174-20.washdc.fios.verizon.net (71.126.174.20)

Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET

CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR

3.0.4506.2152; .NET CLR 3.5.30729)

Referred: http://www.epa.gov/bpspill/techsolution.html

TSSMS: emergenc

Mail to File: bpspilltech.txt

Generic: Cleanup
Idea
NO for dispersant

Surface water
Dispersal
Idea



(123180919) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov o t Jeffrey Levy, Minerva Rojo, Adrea
: Morrison

05/04/2010 06:09 PM

Generic -
Posing question do
assist cleanup
Surface Water
collecting
agent

01.Name:Ken Miner
02.Organization:private citizen
03.Email:minerk40@gmail.com
04.Phone:
05.Type:technology, process, system
06.Briefdesc:Coagulant instead of dispersant
07.Perfcriteria:Can you use a chemical to coagulate the oil? Then use the
local fishing boats to "rake up" the blobs and move them to a containment
area.
08.Cost:
09.Throughput:
11.Fieldtestingdesc:
button:Send

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Submitting script: /cgi-bin/mail.cgi
Submitting host: 67-54-176-52.cust.wildblue.net (67.54.176.52)
Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.0; Trident/4.0;
GTB6.4; SLCC1; .NET CLR 2.0.50727; Media Center PC 5.0; .NET CLR 3.5.30729;
.NET CLR 3.0.30729)
Referred: http://www.epa.gov/bpspill/techsolution.html
TSSMS: emergenc
Mail to File: bpspilltech.txt

Cenice: Cleanup Dispersal Solution



(124101840) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/03/2010 10:18 AM

*Surface water
dispersant*

01.Name:Harry Carter, MD
02.Organization:US Army
03.Email:hecarter1@hotmail.com
04.Phone:334.298.8739
05.Type:process
06.Briefdesc:Cleanup process of oil spill.
07.Perfcriteria:Application of Concentrated detergent soap on oil slick by
aerial application. This involves the use of crop dusters loaded with
concentrated dish soap and applied to shoreline areas first then to the off
shore areas. Depending on number of applications and characteristics of each
oil slick, this could neutralize 40-60% of the crude oil. A test area needs to
be implemented immediately.
08.Cost:It will be impossible to estimate the cost of detergent and crop
duster/pilot use. A test area should be set up immediately and an application
applied in adequate amounts. Based on this test area it could be determined if
soap is a good option and its cost could then be computed.
09.Throughput:The only process to eliminate the spillage of crude oil in water
is by simple extraction or its neutralization. BP has started this process but
needs to change delivery from simply dumping soap into water to aerial
application.
10.fieldtested:yes
11.Fieldtestingdesc:BP has used soap on the Gulf spill, which has its
limitations, but will decrease the loss of marine life. Only aerial
application has not been tested.
button:Send

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Submitting host: adsl-065-007-145-109.sip.asm.bellsouth.net (65.7.145.109)
Browser: Mozilla/5.0 (Windows; U; Windows NT 6.0; en-US; rv:1.9.2.3)
Gecko/20100401 Firefox/3.6.3 (.NET CLR 3.5.30729)
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(123013625) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl, Reggie Washington, Kay
: Morrison

05/04/2010 01:36 AM

~~document~~
Surface water
Bioremediation

01.Name:Praveen
02.Organization:
03.Email:praveenshan@hotmail.com
04.Phone:
05.Type:technology
06.Briefdesc:Fuel Eating Bacteria
http://www.innovations-report.com/html/reports/life_sciences/report-25707.html

07.Perfcriteria:n/a
08.Cost:n/a
09.Throughput:n/a
10.fieldtested:no
11.Fieldtestingdesc:
button:Send

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Submitting host: 210.183.48.60.brk02-home.tm.net.my (60.48.183.210)
Browser: Mozilla/5.0 (Windows; U; Windows NT 6.0; en-US) AppleWebKit/532.5 (KHTML, like Gecko) Chrome/4.1.249.1064 Safari/532.5
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(125180746) Oil Spill Technology Solution

t Jeffrey Levy, Minerva Rojo, Adrea
idaemon.rtpnc.epa.gov o Mehl, Reggie Washington, Kay
: Morrison, Lara Autry, Eric Koglin

05/06/2010 06:07 PM

01.Name:Steve Lampa
02.Organization:STOK Environmental
03.Email:stokinc19@yahoo.com
04.Phone:503 516 2512
05.Type:technology
06.Briefdesc: Use natural microbes to clean oil spills works great on water
and land with no by products and complete environmentally safe
07.Perfcriteria:On land and sea we will remove oil from all surfaces in a
small window of time
08.Cost: varies but a quick look 75 cubic yard for land and around 35 cents
per gallon on water to \$12 a ft squared on 1 foot depth of filtration
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:
button:Send

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Submitting host: (208.71.200.80)

Browser: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET CLR
2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 1.1.4322; .NET CLR 3.0.4506.2152;
.NET CLR 3.5.30729)

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TSSMS: emergenc

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*Generic: Contact
use Microbes
to Bioremediate*

SW
NCP
Bioremediation

General: Bill Mc
for Cleanup



(121163717) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov

Jeffrey Levy, Minerva Rojo, Adrea
Mehl

05/02/2010 04:37 PM

History: This message has been forwarded.

bioremediation

01.Name:Charles Stack, M.P.H.
02.Organization:University of Illinois School of Public Health
03.Email:cstack3@uic.edu
04.Phone:(630) 841-8706
05.Type:process
06.Briefdesc:Adding nutrients (nitrogen, phosphorus) to the slick at sea will stimulate biodegradation before the hydrocarbons reach shallow water/landfall. Certain growth-factors can be added to stimulate the aerobic decomposition process. University of Illinois School of Public Health and other units have faculty experienced in this field of work and are available for assistance.
07.Perfcriteria:Results can be quantified by sampling and measurement of bacterial growth, digestion of hydrocarbon fractions (light to heavy), and confirmed by satellite monitoring.
08.Cost:Unknown, but commercial fertilizers (diammonium phosphate) are inexpensive commodities compared to proprietary formulations.
09.Throughput:In-situ application of fertilizer could be accomplished by aerial spraying, boat application or combination.
10.fieldtested:yes
11.Fieldtestingdesc:Abstract:
The biodegradation of Iranian light crude in seawater environments was examined in three mesocosms, simulating a wild Mediterranean ecosystem. Two oleophilic fertilizers, Inipol EAP-22 and F1 (modified fish meal), were compared with regard to the biodegradation enhancement achieved by them. Hydrocarbon degradation proceeded faster at the water surface than at the sediment, as assessed by the n-C17/pristane and n-C18/phytane indicator ratios. Alkane biodegradation was higher in the presence of F1 (70% in 30 days). However, treatment with Inipol produced another desirable effect, the quick disappearance of the oil slick. The data led to the formulation of the hypothesis that the combined use of both fertilizers may be the treatment of choice.

Marine Pollution Bulletin
Volume 38, Issue 1, January 1999, Pages 44-48

Title: Mesocosm assays of oil spill bioremediation with oleophilic fertilizers: Inipol, F1 or both?

R. Santas, a, A. Kordaa, A. Tenentea, K. Buchholzb and Ph. Santasa

button:Send

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(121111520) Oil Spill Technology Solution

idaemon.rtpnc.epa.gov t Jeffrey Levy, Minerva Rojo, Adrea
o Mehl

05/02/2010 11:15 AM

*Comment: Bid as Cleanup
suggestion*

01.Name:Michael Melton
02.Organization:Alternative Waste Management
03.Email:michaelsmelton4210@sbcglobal.net
04.Phone:281-924-4830
05.Type:technology, process, system
06.Briefdesc:Spraying microbes on the oil slick and sheens to make them go
away leaving no trace.
07.Perfcriteria:It will cause the oil to go away in a matter of weeks leaving
no trace there was ever a spill.
08.Cost:I have no clue as to the up front cost but will save billions of
dollars in the long run and save the wetlands of Louisiana.
09.Throughput:
10.fieldtested:yes
11.Fieldtestingdesc:I have been making oils and chemicals disappear with the
microbes for the past 25 years. I have written a proposal to the solution of
eliminating the spill I can send to you.
button:Send

*Bioremediation
idea*

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Browser: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.0; WOW64;

Trident/4.0; GTB6.4; SLCC1; .NET CLR 2.0.50727; Media Center PC 5.0; .NET CLR 3.5.30729; OfficeLiveConnector.1.4; OfficeLivePatch.0.0; .NET CLR 3.0.30729; yie8)

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